



Third Year Survival And Heights For 1978 , 1979 , 1980 and 1981 Plantations

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February 1986

THIRD YEAR SURVIVAL AND HEIGHTS
FOR
1978, 1979, 1980 and 1981 PLANTATIONS

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TABLE OF CONTENTS

	Page
INTRODUCTION	1
PROVINCIAL AND REGIONAL SUMMARIES - 1978*	
Table 1-78 Number of trees planted and percent of plantation areas sampled in each Region by species, stock type and area for 1978 plantations.	2
Table 2-78 Mean survival in percent one year and three years after planting by species and stock type for 1978 plantations.	3
Table 3-78 Average height of plantation trees - original, one year and three years after planting by species and stock type for 1978 plantations.	4
Table 4-78 Percent of third year assessment plots by Region for 1978 plantations.	5
Table 5-78 Density of all stems in third year assessment plots by Region for 1978 plantations.	6
Table 6-78 Plantation assessment summary - 1978 plantations.	9
Figure 1-78 Third year mean survival percentages for planted trees grouped by species and stock type - 1978 plantations.	15
Figure 2-78 Mean heights for three year old planted trees grouped by species and stock type - 1978 plantations.	16

* Printed in Pink

PROVINCIAL AND REGIONAL SUMMARIES - 1979*

Table 1-79	Number of trees planted and percent of plantation areas sampled in each Region by species, stock type and area for 1979 plantations.	17
Table 2-79	Mean survival in percent one year and three years after planting by species and stock type for 1979 plantations.	18
Table 3-79	Average height of plantation trees - original, one year and three years after planting by species and stock type for 1979 plantations.	19
Table 4-79	Percent of third year assessment plots by Region for 1979 plantations.	20
Table 5-79	Density of all stems in third year assessment plots by Region for 1979 plantations.	21
Table 6-79	Plantation assessment summary - 1979 plantations.	27
Figure 1-79	Third year mean survival percentages for planted trees grouped by species and stock type - 1979 plantations.	39
Figure 2-79	Mean heights for three year old planted trees grouped by species and stock type - 1979 plantations.	40

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PROVINCIAL AND REGIONAL SUMMARIES - 1980*

Table 1-80	Number of trees planted and percent of plantation areas sampled in each Region by species, stock type and area for 1980 plantations.	41
Table 2-80	Mean survival in percent one year and three years after planting by species and stock type for 1980 plantations.	42
Table 3-80	Average height of plantation trees - original, one year and three years after planting by species and stock type for 1980 plantations.	43
Table 4-80	Percent of third year assessment plots by Region for 1980 plantations.	44
Table 5-80	Density of all stems in third year assessment plots by Region for 1980 plantations.	45
Table 6-80	Plantation assessment summary - 1980 plantations.	51
Figure 1-80	Third year mean survival percentages for planted trees grouped by species and stock type - 1980 plantations.	64
Figure 2-80	Mean heights for three year old planted trees grouped by species and stock type - 1980 plantations.	65

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PROVINCIAL AND REGIONAL SUMMARIES - 1981*

Table 1-81	Number of trees planted and percent of plantation areas sampled in each Region by species, stock type and area for 1981 plantations.	66
Table 2-81	Mean survival in percent one year and three years after planting by species and stock type for 1981 plantations.	67
Table 3-81	Average height of plantation trees - original, one year and three years after planting by species and stock type for 1981 plantations.	68
Table 4-81	Percent of third year assessment plots by Region for 1981 plantations.	69
Table 5-81	Density of all stems in third year assessment plots by Region for 1981 plantations.	70
Table 6-81	Plantation assessment summary - 1981 plantations.	75
Figure 1-81	Third year mean survival percentages for planted trees grouped by species and stock type - 1981 plantations.	83
Figure 2-81	Mean heights for three year old planted trees grouped by species and stock type - 1981 plantations.	84

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INTRODUCTION

The Timber Management Branch of the New Brunswick Department of Forests, Mines and Energy has been assessing survival and growth in plantations on Crown Land since 1977. This summary report presents information on heights and third year survival for plantations covering the four year period - 1978, 1979, 1980 and 1981.

The information is presented in tables and graphs and interpretation of the data is left to the reader. Description of the methods used can be found in "Third Year Survival and Heights of 1977 Plantations" - copies of which are available upon request from the Timber Management Branch.

TABLE 1-78 . NUMBER OF TREES PLANTED AND PERCENT OF PLANTATION AREAS SAMPLED IN EACH REGION BY SPECIES, STOCK TYPE AND AREA FOR 1978 PLANTATIONS

REGION	BR ¹	BLACK SPRUCE		SB ³	WHITE SPRUCE		JACK PINE		RED PINE	
		PP ²	BR		BR	PP	BR	PP	BR	PP
1	Number ⁴	517,600	1,704,810	42,240	-	*	310,200	869,743	-	-
	Area ⁵	338	996	15	-	*	138	444	-	-
	% ⁶	100	100	100	-	-	100	92	-	-
2	Number	*	291,600	-	30,000	-	1,571,500	1,409,400	13,250	-
	Area	*	166	-	12	-	1,022	571	6	-
	%	-	100	-	100	-	100	100	100	-
3	Number	486,665	262,800	-	46,862	*	725,975	2,453,386	-	-
	Area	176	111	-	13	*	283	1,240	-	-
	%	100	100	-	100	-	100	100	-	-
4	Number	*	719,652	56,267	-	-	97,700	39,860	264,767	-
	Area	*	304	55	-	-	36	16	148	-
	%	-	100	100	-	-	100	100	89	-
5	Number	211,000	474,300	-	1,117,000	647,700	*	7,800	-	-
	Area	89	153	-	474	209	*	2	-	-
	%	100	100	-	100	100	-	100	-	-
Prov.	Number	1,215,265	3,453,162	98,507	1,193,861	647,700	2,705,375	4,780,189	278,017	-
	Area	603	1,730	70	499	209	1,479	2,273	154	-
	%	100	100	100	100	100	100	98	90	-

1. Bare Root Stock Type 3. Styroblock Stock Type 5. Area Planted in Hectares
2. Paper Pot Stock Type 4. Number of Trees Planted 6. Percent of Areas Sampled

*trees found during assessment but not reported planted - total numbers of trees are small

TABLE 2-78. MEAN SURVIVAL IN PERCENT ONE YEAR AND THREE YEARS AFTER PLANTING BY SPECIES AND STOCK TYPE FOR 1978 PLANTATIONS

REGION	BLACK SPRUCE			WHITE SPRUCE		JACK PINE		RED PINE	
	BR1	PP2	SB3	BR	PP	BR	PP	BR	PP
1	1st YR	39	94	98	-	99	88	-	-
	3rd YR	32	90	97	-	96	82	-	-
2	1st YR	63	97	-	27	-	89	97	-
	3rd YR	63	92	-	18	-	86	74	-
3	1st YR	59	87	-	65	75	91	-	-
	3rd YR	46	76	-	52	69	88	-	-
4	1st YR	33	90	90	-	-	91	86	-
	3rd YR	33	83	85	-	-	88	81	-
5	1st YR	52	97	-	43	97	93	-	-
	3rd YR	-*	95	-	-*	93	-*	-	-
PROV.	1st YR	37	94	95	46	96	89	87	-
	3rd YR	33	89	92	32	92	86	81	-

1. Bare Root Stock Type

2. Paper Pot Stock Type

3. Styroblock Stock Type

* 3rd Year Data Incomplete (not remeasured - areas were fill-planted)

TABLE 3-78. AVERAGE HEIGHT OF PLANTATION TREES - ORIGINAL, ONE YEAR AND THREE YEARS AFTER PLANTING BY SPECIES AND STOCK TYPE FOR 1978 PLANTATIONS

REGION		BLACK SPRUCE			WHITE SPRUCE		JACK PINE		RED PINE	
		BR1	PP2	SB3	BR	PP	BR	PP	BR	BR
1	Orig ⁴	29	17	20	-	-	18	8	-	-
	1st YR ⁵	29	26	31	-	23	35	15	-	-
	3rd YR ⁶	43	47	52	-	53	67	54	-	-
2	Orig	17	19	-	21	-	14	9	-	-
	1st YR	22	26	-	23	-	27	12	24	24
	3rd YR	23	29	-	29	-	56	58	36	36
3	Orig	24	-	-	17	-	17	8	-	-
	1st YR	25	35	-	21	16	37	18	-	-
	3rd YR	41	59	-	33	60	82	59	-	-
4	Orig	14	18	14	-	-	15	-	16	16
	1st YR	-	27	27	-	-	32	9	24	24
	3rd YR	53	46	61	-	-	77	76	42	42
5	Orig	25	18	-	18	12	42	34	-	-
	1st YR	29	32	-	19	21	53	44	-	-
	3rd YR	48	48	-	-*	39	-*	-*	-	-
PROV.	Orig	26	17	17	18	12	17	8	16	16
	1st YR	28	27	29	20	21	30	15	24	24
	3rd YR	44	45	55	33	42	66	58	42	42

1. Bare Root Stock Type
2. Paper Pot Stock Type
3. Styroblock Stock Type
4. Height in cm at time of planting
5. Height in cm one year after planting
6. Height in cm three years after planting
* 3rd year data incomplete (not remeasured due to areas being fill planted)

TABLE 4-78. PERCENT OF THIRD YEAR ASSESSMENT PLOTS IN EACH DENSITY CLASS* BY REGION FOR 1978 PLANTATIONS.

REGION	0-1500			1500-3000			3000+
1	56a	41b	21c	42a	43b	34c	2a 16b 45c
2	46	10	6	51	33	31	3 57 63
3	44	21	13	51	41	28	5 38 59
4	41	30	25	58	56	38	1 14 37
5	20	18	8	51	51	28	29 31 64

* 5th Year Standards

a. Planted trees only

b. Includes Natural Softwood Regeneration OTHER THAN Balsam Fir

c. Includes ALL Natural Softwood Regeneration

TABLE 5-78. DENSITY OF ALL STEMS IN THIRD YEAR ASSESSMENT PLOTS BY REGION FOR 1978 PLANTATIONS

REGION	LOCATION	PLANTATION	PLANTED TREES	DENSITY (STEMS/HA)					NATURAL HARDWOOD			
				NATURAL SOFTWOOD								
				SPRUCE	PINE	FIR	OTHER ¹	TOLERANT ²	INTOLERANT ³	OTHER ⁴		
1	Old SE Road	P-4-78	241	267	0	775	0	160	935	3501		
	Charlo Camp	P-5-78	757	44	0	1262	0	133	44	5094		
	Red Pine Stn.	P-7-78	263	2511	352	1126	1802	344	639	311		
	Red Pine Stn.	P-8-78	1783	156	27	2400	90	1419	2998	1969		
	Anaconda	P-11-78	811	42	0	673	0	3665	1409	5770		
	Power Line Rd.	P-13-78	2333	170	24	631	364	972	3669	1822		
	Taylor Bk.	P-14-78	1494	210	2	526	553	0	1726	2198		
	Old SE Road	TP-9-78	1154	32	0	791	0	139	887	908		
	Boundary Line	TP-10-78	681	695	0	2472	0	374	2953	2860		
	McCormack Trw.	TP-11-78	787	163	29	5361	44	668	3356	4752		
	Charlo Camp	TP-12-78	1335	340	10	3659	28	230	1407	3860		
	Nine Mile Bk.	TP-13-78	515	71	10	1223	0	503	555	246		
	Roger's Lake	TP-14-78	1319	3458	133	818	0	1052	284	50		
	Bowser Lake	TP-15-78	1470	111	22	356	0	2272	267	289		
	Half Moon Lake	TP-16-78	1420	2329	171	76	0	0	152	286		
	Mud Lake	TP-17-78	1806	116	0	927	8	3813	1365	2050		
	Maliget Bk.	TP-18-78	354	128	20	159	0	251	560	2601		
	Taylor Bk.	TP-19-78	1553	1219	0	0	0	50	267	16		
	Bass River	TP-20-78	1640	906	252	462	1398	177	552	736		
	Taylor Bk.	TP-21-78	1497	748	0	1577	0	0	614	106		
	Mini Culvert	TP-24-78	1031	210	0	190	0	1031	1966	1794		
	Knights Bk.	TP-25-78	1949	394	91	1630	3	818	2428	2158		

1. Cedar, Hemlock, Larch

2. Red Maple, Sugar Maple, Yellow Birch, Beech

3. White Birch, Poplar, Mountain Maple, Pin Cherry

4. Ash, Oak, Ironwood, Elm, Butternut, Basswood, Grey Birch, Silver Maple, Striped Maple, Willow, Serviceberry

TABLE 5-78. (continued)

REGION	LOCATION	PLANTATION	DENSITY (STEMS/HA)									
			PLANTED TREES	NATURAL SOFTWOOD				NATURAL HARDWOOD				OTHER ⁴
				SPRUCE	PINE	FIR	OTHER	TOLERANT	INTOLERANT			
2	Taylor Bk.	TP-26-78	1453	139	18	165	0	1360	3042			296
	Nine Mile Bk.	TP-28-78	1904	55	0	556	11	2734	829			1453
	Nine Mile Bk.	TP-29-78	2519	185	0	2786	0	627	2159			2683
	Lawson Bk.	TP-30-78	1333	571	23	1864	327	651	1570			467
	Lawson Bk.	TP-31-78	1660	689	8	2357	550	310	983			1435
	Muzroll Lk.	P-15-78	2002	1743	813	446	280	1180	964			616
	Meadow Bk.	P-16-78	1279	1620	374	271	32	542	854			1517
	Six Mile Bk.	P-17-78	1156	1742	239	361	66	344	783			544
	Shinnickburn	P-33-78	1506	2068	463	84	64	1178	852			562
	Shinnickburn	P9-90-78*	1403	1938	267	0	22	579	356			267
3	West River	P-1-78	1479	89	0	35	0	2370	4009			1808
	Teahans Corner	P-2-78	830	513	0	5163	0	211	619			436
	Mountain Bk.	P-3-78	1660	2913	383	2685	0	3623	2655			894
	Mont Eagle	P-6-78	658	2238	200	2227	11	701	2550			245
	Teahans Corner	P9-91-78*	935	12	0	12	0	0	145			2928
	Square Lake	TP-1-78	1050	1018	0	1705	0	783	2180			165
	Mont Eagle	TP-2-78	1432	2024	66	1460	295	1088	4009			1212
	Blue Rock Bk.	TP-3-78	1930	876	311	237	103	2376	237			0
	McKeen Bk.	TP-4-78	1419	1729	94	168	408	729	777			277
	Harley Rd.	TP-5-78	2660	211	40	158	3	1215	4703			8343
	Little Forks	TP-6-78	1853	1069	1390	971	8	846	3377			998
	Beaver Brook	TP-7-78	1476	1303	140	548	0	173	2319			487
	Mountain Bk.	TP-8-78	1767	690	82	2521	99	4608	3711			1367
	West River	TP-34-78	1537	0	0	0	0	4009	2138			6749

* NOT REPORTED PLANTED

TABLE 5-78. (continued)

REGION	LOCATION	PLANTATION	PLANTED TREES	NATURAL SOFTWOOD				DENSITY (STEMS/HA)			
				SPRUCE	PINE	FIR	OTHER	TOLERANT	INTOLERANT	NATURAL HARDWOOD	
										OTHER ⁴	OTHER ⁴
4	Teahans Corner	TP-35-78	811	286	9	5757	0	267	2921		859
	Mont Eagle	TP9-92-78*	1354	968	89	516	14	736	1387		368
	Pocologan	P-10-78	1938	349	0	10	51	0	154		1408
	McDougall	P-18-78	1624	0	200	0	0	0	233		651
	West Long Lk.	P-20-78	810	194	0	99	0	319	2703		3889
	Napadogan Lk.	P-21-78	2190	51	0	1552	0	4308	1799		7639
	Napadogan Lk.	P-22-78	2012	14	0	2836	0	2138	690		10848
	Pocologan	P9-93-78*	1657	53	0	0	0	0	1483		4370
	West Long Lk.	TP-37-78	966	72	0	60	0	455	1919		2764
	West Long Lk.	TP-38-78	1042	475	10	235	0	1160	2298		2603
	Bear Brook	TP-39-78	1330	6118	36	4350	534	358	534		388
	Biggar Brook	TP-40-78	1791	106	0	6103	0	1122	409		2120
	Fork Brook	TP-41-78	1218	1019	0	2322	25	1194	3742		2748
	Anderson Rd.	TP-42-78	1664	448	21	2099	21	1384	1315		2147
	Napadogan	TP-43-78	2351	37	0	767	6	3026	2731		510
5	Gounamitz R.	P-9-78	1649	33	0	1169	0	16	8		41
	Gounamitz R.	TP-36-78	2558	18	0	1239	0	170	597		1835

* NOT REPORTED PLANTED

TABLE 6-78. PLANTATION ASSESSMENT SUMMARY 1978 PLANTATIONS

Region	Plantation	Site Preparation	Area (ha)	# of Plots	Species	Stock Type	ORIGINAL YEAR		FIRST YEAR		THIRD YEAR	
							Density (trees/ha)	Hgt. (cm)	Survival (%)	Hgt. (cm)	Survival (%)	Hgt. (cm)
1	P-4-78	Shark Fin Barrel	12	4	BS	BR	902	28	22	21	15	42
	P-5-78	Shark Fin Barrel	14	9	BS	BR	1856	28	44	30	41	41
				2.4	BS	BR	1217	26	41	34	41	51
	P-7-78	Bracke	56	33	BS	BR	1523	29	21	28	17	41
	P-8-78	Finnish Plow	83	53	JP	BR	1891	17	96	41	94	77
	P-11-78	Finnish Plow	135	48	BS	BR	1958	29	43	28	40	44
				15	JP	BR	1497	28	60	32	58	46
	P-12-78	Finnish Plow	100	39	BS	BR	1594	30	44	32	-	-
				8	JP	PP	1554	26	52	30	-	-
	P-13-78	Finnish Plow	28	11	JP	BR	2637	17	93	30	88	67
	P-14-78	Control Burn & Bracke	27	38	JP	BR	1915	15	89	28	86	57
				1.8	JP	BR	2470	17	97	28	94	54
	TP-9-78	Shark Fin Barrel	66	25	JP	PP	1748	6	83	13	66	34
				1	JP	PP	1470	4	64	11	45	47
	TP-10-78	Shark Fin Barrel	47	10	BS	PP	989	17	69	30	69	71
	TP-11-78	Shark Fin Barrel	17	9	JP	PP	876	6	92	13	90	59
	TP-12-78	Shark Fin Barrel	442	211	BS	PP	1435	17	96	26	92	55
			24	15.6	JP	PP	1544	6	92	12	86	60
	TP-13-78	Bracke	24	14	JP	PP	917	5	96	15	56	49
	TP-14-78	No Site Preparation	28	8	JP	PP	2272	5	63	10	58	26

TABLE 6-78. (continued)

Region	Plantation	Site Preparation	Area (ha)	# of Plots	Species	Stock Type	ORIGINAL YEAR		FIRST YEAR		THIRD YEAR	
							Density (trees/ha)	Hgt. (cm)	Survival (%)	Hgt. (cm)	Survival (%)	Hgt. (cm)
(cont'd)	TP-15-78	Controlled Burn	27	10	JP	PP	2232	5	77	13	80	42
	TP-16-78	Controlled Burn & Part No Site Preparation	36	8	JP	PP	1955	6	74	12	73	30
	TP-17-78	Finnish Plow	111	13	BS	PP	2355	-	97	15	82	36
				20	WS	PP	1798	-	99	23	96	53
	TP-18-78	Bracke	24	26	L-ORIG*	PP	2041	11	21	12	17	23
	TP-19-78	Disc Trencher	23	8	JP	PP	1788	8	88	14	87	53
	TP-20-78	Bracke	85	33	BS	PP	1774	18	95	27	90	37
				4	JP	PP	2038	8	97	19	97	51
				5	BS	PP	1390	20	96	26	92	39
	TP-21-78	Control Burn & Bracke	12	3.2	JP	PP	1248	8	87	16	83	34
				12	JP	PP	1359	6	98	15	93	39
	TP-23-78	Bracke	34	17	BS	BR	1761	29	43	24	-	-
				4	JP	PP	2439	22	86	28	-	-
	TP-24-78	Bracke	29	16	BS	PP	1320	23	65	25	56	50
	TP-25-78	Finnish Plow	76	41	BS	PP	2223	19	90	33	88	48
	TP-26-78	Disc Trencher	83	52	JP	PP	1586	8	95	16	94	79
	TP-28-78	Finnish Plow	130	25	JP	PP	2224	4	96	15	88	48
				33	BS	PP	2110	13	98	22	93	39
TP-29-78		Finnish Plow	15	13	BS	SB	2601	20	98	31	97	52

* DENSITY INCLUDES FILL-PLANTED TREES

TABLE 6-78. (continued)

Region	Plantation	Site Preparation	Area (ha)	# of Plots	Species	Stock Type	ORIGINAL YEAR		FIRST YEAR		THIRD YEAR	
							Density (trees/ha)	Hgt. (cm)	Survival (%)	Hgt. (cm)	Survival (%)	Hgt. (cm)
1 (cont'd)	TP-30-78	Bracke	57	40	BS	PP	1457	18	95	28	92	37
	TP-31-78	Bracke	74	50	BS	PP	1794	18	96	26	93	37
	P-15-78	Crusher	30	237.0	JP	PP	2478	9	89	12	86	58
	P-15-78	Crusher	30	17	WS	BR	692	21	27	23	18	29
2	P-16-78	Finnish Plow	698	0.9	BS	BR	1203	17	63	22	63	23
				282.9	JP	BR	1368	17	96	30	93	59
				4.2	RP	BR	1456	-	96	17	96	35
	P-17-78	Disc Trencher & Bracke	331	122	JP	BR	1933	13	71	19	60	49
3				3	RP	BR	2183	-	98	32	53	38
				2	JP	BR	2339	-	94	21	63	69
	TP-33-78	Disc Trencher	166	71	BS	PP	1625	19	97	26	93	29
	TP9-90-78*	Disc Trencher	-	6	BS	PP	1582	21	97	26	89	33
3	P-1-78	Shark Fin Barrels	39	2	BS	BR	2072	11	52	16	42	30
				13	WS	BR	2159	23	83	27	73	43
				12	BS	BR	2696	23	62	27	42	39
	P-2-78	Controlled Burn & Shark Fin Barrels	51	10	BS	BR	2286	27	57	28	44	33
							1693	11	54	13	37	22

* NOT REPORTED PLANTED

TABLE 6-78. (continued)

Region	Plantation	Site Preparation	Area (ha)	# of Plots	Species	Stock Type	ORIGINAL YEAR		FIRST YEAR		THIRD YEAR	
							Density (trees/ha)	Hgt. (cm)	Survival (%)	Hgt. (cm)	Survival (%)	Hgt. (cm)
3 (cont'd)	P-3-78	Shark Fin Barrels	283	45	JP	BR	1889	17	89	36	88	63
	P-6-78	Disc Trencher	108	13	BS	BR	1213	18	56	22	54	52
	P9-91-78*	Shark Fin Barrels	-	12	WS	BR	2339	13	53	14	40	22
	TP-1-78	Disc Trencher	81	14.3	WS	PP	1276	-	75	16	69	60
				14.8	JP	PP	1386	-	93	11	88	63
	TP-2-78	Disc Trencher	38	14	JP	PP	1919	8	78	14	75	52
	TP-3-78	Shark Fin Barrels	20	9	JP	PP	2183	6	90	23	88	57
	TP-4-78	Finnish Plow	522	117	JP	PP	1650	9	91	15	87	45
	TP-5-78	Controlled Burn	113	43	JP	PP	3043	6	90	26	87	79
	TP-6-78	Shark Fin Barrels & part Marden Rollers	110	15	JP	PP	1996	5	97	16	93	42
	TP-7-78	Marden Rollers	26	12.7	BS	PP	1487	-	100	47	97	71
				7.3	JP	PP	1587	-	100	8	97	41
	TP-8-78	Shark Fin Barrels	410	86.9	JP	BR	2051	16	90	39	88	91
(SEE P-1-78)	TP-34-78	Shark Fin Barrels	-	58.1	JP	PP	1835	6	95	24	93	68
				2	BS	BR	3876	29	57	49	40	40
	TP-35-78	Controlled Burn & Shark Fin Barrels	21	9.3	BS	PP	1989	-	75	16	49	26
				8.7	JP	PP	643	-	98	35	86	128

* NOT REPORTED PLANTED

TABLE 6-78. (continued)

Region	Plantation	Site Preparation	Area (ha)	# of Plots	Species	Stock Type	ORIGINAL YEAR		FIRST YEAR		THIRD YEAR	
							Density (trees/ha)	Hgt. (cm)	Survival (%)	Hgt. (cm)	Survival (%)	Hgt. (cm)
3	*IP-9-92-78 (cont'd)	Disc Trencher	-	10	BS	BR	1644	24	59	24	54	46
				0.2	BS	PP	2807	-	-	-	40	41
				34.8	JP	PP	1784	9	86	15	84	46
4	P-10-78	Disc Trencher	49	42	RP	BR	2196	16	93	24	88	33
	P-18-78	Disc Trencher	22	13	RP	BR	1933	-	87	23	84	37
	P-20-78	Shark Fin Barrels	50	8	RP	BR	1254	21	0	-	-	-
				3.5	BS	PP	1795	17	91	24	91	63
				27.5	RP	BR	1084	18	68	25	65	75
	P-21-78	No Site Preparation	10	4	JP	BR	2373	20	96	35	93	90
	P-22-78	No Site Preparation	36	9	RP	BR	2718	18	89	27	80	56
	P9-93-78*	Controlled Burn	-	18	JP	BR	2666	14	78	31	75	74
				0.2	BS	BR	2540	14	33	-	33	53
				5.5	RP	BR	2801	16	77	-	69	35
				4.4	BS-ORIG**BR	BR	3131	24	45	-	43	51
	IP-37-78	Shark Fin Barrels	75	3	BS	BR	0	-	0	-	-	-
IP-38-78	Shark Fin Barrels		55	17	BS	PP	1368	17	92	28	87	62
				2	BS	SB	735	14	73	27	73	60
				5	BS	PP	1283	18	71	29	69	66

* NOT REPORTED PLANTED

** DENSITY INCLUDES FILL-PLANTED TREES

TABLE 6-78. (continued)

Region	Plantation	Site Preparation	Area (ha)	# of Plots	Species	Stock Type	ORIGINAL YEAR		FIRST YEAR		THIRD YEAR	
							Density (trees /ha)	Hgt. (cm)	Survival (%)	Hgt. (cm)	Survival (%)	Hgt. (cm)
(cont'd)	IP-39-78	Disc Trencher	36	22	BS	PP	1829	18	79	25	73	34
	IP-40-78	Shark Fin Barrels	16	3	BS	PP	1693	-	100	-	100	51
				12	JP	PP	2061	-	91	9	88	76
	IP-41-78	Disc Trencher	16	17	BS	PP	1533	-	90	25	79	48
	IP-42-78	Disc Trencher	81	31	BS	PP	1962	17	88	26	85	40
	IP-43-78	Shark Fin Barrels	95	39	BS	PP	2718	19	96	32	87	48
5	P-9-78	Controlled Burn; Disc Trencher; Root Rake	450	42	BS	BR	2454	20	38	19	-	-
				119	BS	BR	2556	17	41	19	-	-
				2	JP	BR	1436	42	71	53	-	-
				2	JP	PP	1871	34	93	44	-	-
				18	BS	BR	2547	34	72	38	70	47
				7	BS	PP	3189	19	97	35	93	47
				57	WS	BR	2190	21	48	20	-	-
	IP-36-78	Shark Fin Barrels; Root Rake	478	16.3	BS	BR	2436	29	66	34	64	49
				29.7	BS	PP	2781	18	97	32	95	48
				85.1	WS	PP	2986	12	97	21	93	39
3.9				WS-ORIG*	BR	3740	-	45	31	43	49	
0				WS-ORIG*	PP	4277	-	0	-	-	-	

* DENSITY INCLUDES FILL-PLANTED TREES

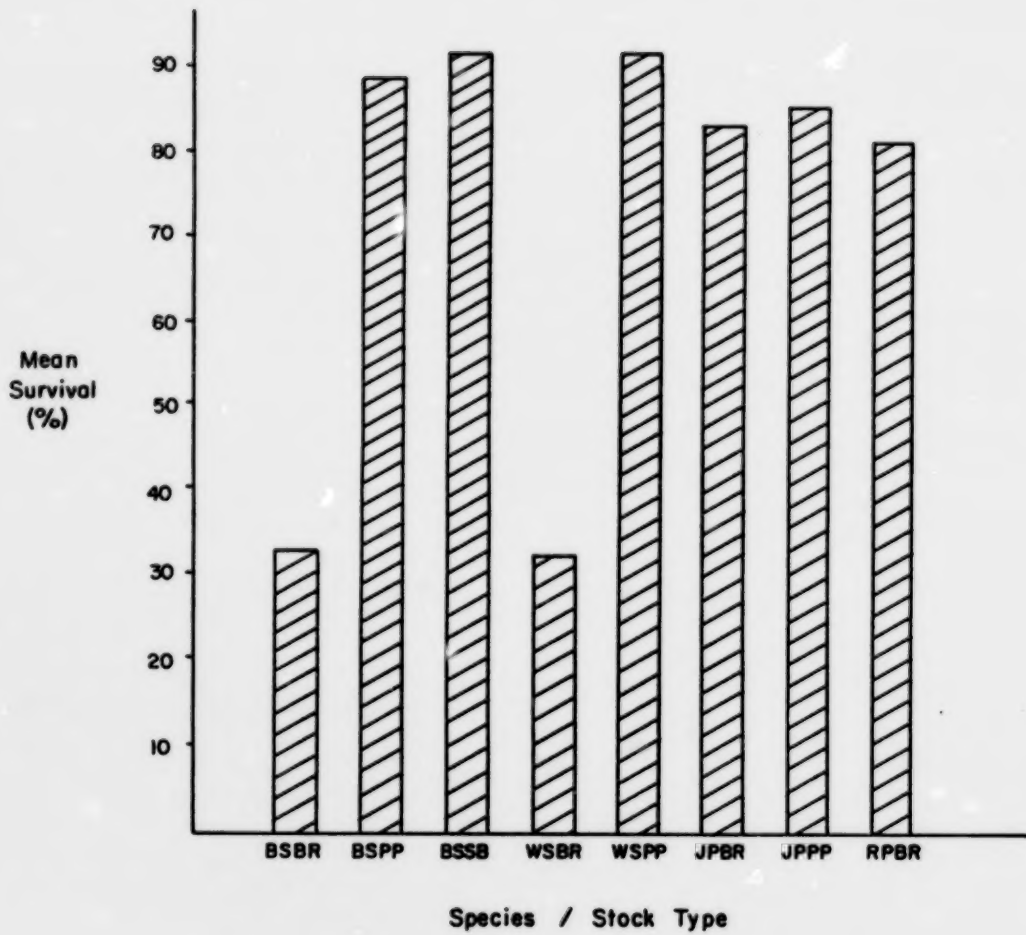


FIGURE I-78-Third year mean survival percentages for planted trees grouped by species and stock type - 1978 Plantations.

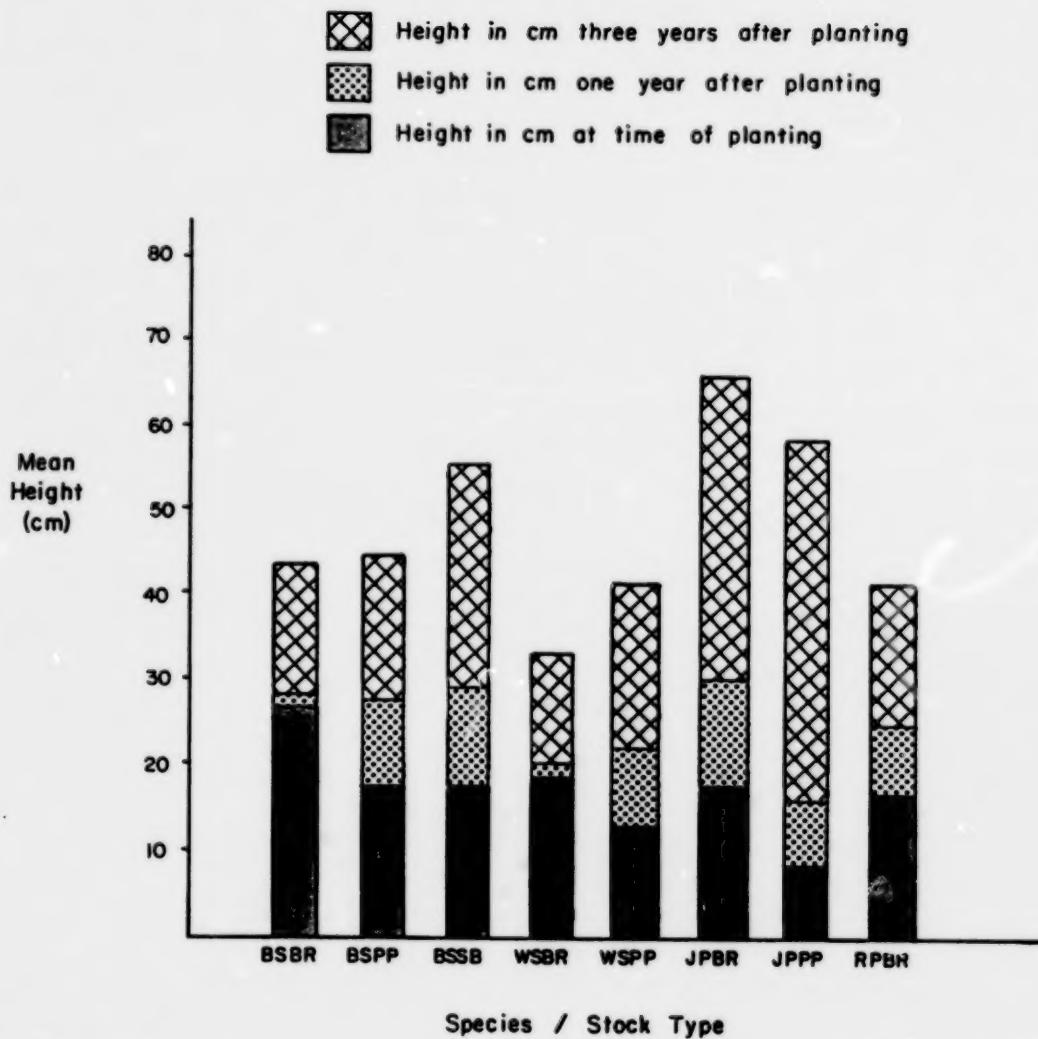


FIGURE 2-78-Mean heights for three year old planted trees grouped by species and stock type - 1978 Plantations.

TABLE 1-79. NUMBER OF TREES PLANTED AND PERCENT OF PLANTATION AREAS SAMPLED IN EACH REGION BY SPECIES, STOCK TYPE AND AREA FOR 1979 PLANTATIONS

REGION		BR ¹	BLACK SPRUCE		SB ³	WHITE SPRUCE		JACK PINE		RED PINE	
			PP ²	BR		BR	PP	BR	PP	BR	PP
1	Number ⁴	1,067,400	1,821,000	-	-	-	-	781,100	3,060,800	-	-
	Area ⁵	575	884	-	-	-	-	319	1,619	-	-
	% ⁶	100	100	-	-	-	-	100	100	-	-
2	Number	200,000	2,082,000	-	-	-	-	1,522,000	1,062,900	280,500	-
	Area	75	816	-	-	-	-	583	401	127	-
	%	100	100	-	-	-	-	100	100	100	-
3	Number	454,905	6,229,125	-	-	-	-	427,200	198,450	313,200	-
	Area	265	2,978	-	-	-	-	369	148	149	-
	%	100	100	-	-	-	-	100	100	100	-
4	Number	89,200	864,300	105,600	61,500	-	-	58,700	155,600	240,300	-
	Area	56	513	132	21	-	-	23	81	116	-
	%	100	100	100	100	-	-	100	100	100	-
5	Number	-	809,100	-	590,100	644,200	-	-	97,200	-	-
	Area	-	386	-	327	210	-	-	40	-	-
	%	-	100	-	100	100	-	-	100	-	-
Prov.	Number	1,811,505	11,805,525	105,600	651,600	644,200	2,789,000	4,574,950	834,000	-	-
	Area	971	5,577	132	348	210	1,294	2,289	392	-	-
	%	100	100	100	100	100	100	100	100	-	-

1. Bare Root Stock Type
2. Paper Pot Stock Type
3. Skyroblock Stock Type
4. Number of Trees Planted
5. Area Planted in Hectares
6. Percent of Area Sampled

*Trees found during assessment but not reported planted - total numbers of trees are small

TABLE 2-79. MEAN SURVIVAL IN PERCENT ONE YEAR AND THREE YEARS AFTER PLANTING BY SPECIES AND STOCK TYPE FOR 1979 PLANTATIONS

REGION		BLACK SPRUCE			WHITE SPRUCE		JACK PINE		RED PINE	
		BR1	PP2	SB3	BR	PP	BR	PP	BR	PP
1	1st YR	79	89	-	100	95	70	94	-	-
	3rd YR	73	84	-	75	91	64	88	-	-
2	1st YR	83	85	-	-	90	92	91	91	91
	3rd YR	79	81	-	-	87	91	90	81	81
3	1st YR	72	90	-	66	94	83	94	86	86
	3rd YR	63	82	-	46	83	77	89	82	82
4	1st YR	77	86	76	59	88	68	95	94	94
	3rd YR	65	79	69	56	80	63	85	79	79
5	1st YR	77	92	-	76	91	-	97	-	-
	3rd YR	61	86	-	59	87	-	94	-	-
PROV.	1st YR	77	88	76	73	91	85	94	90	90
	3rd YR	69	82	69	57	87	82	89	80	80

1. Bare Root Stock Type
2. Paper Pot Stock Type
3. Styroblock Stock Type

TABLE 3-79. AVERAGE HEIGHT OF PLANTATION TREES - ORIGINAL, ONE YEAR AND THREE YEARS AFTER PLANTING BY SPECIES AND STOCK TYPE FOR 1979 PLANTATIONS

REGION		BLACK SPRUCE			WHITE SPRUCE		JACK PINE		RED PINE	
		BR1	PP2	SB3	BR	PP	BR	PP	BR	PP
1	Orig ⁴	28	16	-	-	11	13	10	-	-
	1st YR ⁵	29	25	-	35	24	15	18	-	-
	3rd YR ⁶	44	46	-	68	37	60	62	-	-
2	Orig	27	17	-	-	22	14	10	19	19
	1st YR	29	22	-	-	24	16	22	21	21
	3rd YR	41	45	-	-	41	63	85	44	44
3	Orig	26	14	-	28	18	13	9	20	20
	1st YR	28	24	-	26*	28	18	18	24	24
	3rd YR	40	44	-	28	44	57	59	45	45
4	Orig	30	14	13	24	6	14	12	22	22
	1st YR	31	22	19	26	17	15	14	24	24
	3rd YR	44	48	47	35	38	63	58	46	46
5	Orig	19	14	-	20	9	-	5	-	-
	1st YR	19*	29	-	20*	19	-	19	-	-
	3rd YR	35	45	-	29	41	-	60	-	-
PROV.	Orig	26	15	13	22	15	13	9	21	21
	1st YR	27	24	19	22*	23	16	19	23	23
	3rd YR	42	46	47	29	41	61	65	45	45

1. Bare Root Stock Type

2. Paper Pot Stock Type

3. Styroblock Stock Type

4. Height in cm at time of planting

5. Height in cm one year after planting

6. Height in cm three years after planting

* No height increase or decrease due to excessive rabbit damage

TABLE 4-79. PERCENT OF THIRD YEAR ASSESSMENT PLOTS IN EACH DENSITY CLASS* BY REGION FOR 1979 PLANTATIONS

REGION	0-1500			1500-3000			3000+
1	65a	48b	30c	34a	41b	38c	1a 11b 32c
2	18	6	5	67	31	25	15 63 70
3	62	39	24	36	35	32	2 26 44
4	69	49	27	30	37	23	1 14 50
5	63	59	33	37	40	37	0 1 30

* 5th Year Standards

- a. Planted trees only
- b. Includes Natural Softwood Regeneration OTHER THAN Balsam Fir
- c. Includes ALL Natural Softwood Regeneration

TABLE 5-79. DENSITY OF ALL STEMS IN THIRD YEAR ASSESSMENT PLOTS BY REGION FOR 1979 PLANTATIONS

REGION	LOCATION	PLANTATION	PLANTED TREES	NATURAL SOFTWOOD					NATURAL HARDWOOD			
				SPRUCE	PINE	FIR	OTHER ¹	TOLERANT ²	INTOLERANT ³	OTHER ⁴		
1	McCormack Bk.	P-1-79	1415	132	33	2031	23	735	805	1696		
	Arseneau Rd.	P-2-79	1077	427	5	1976	181	3789	5280	1009		
	Rio Road	P-3-79	1050	142	44	765	0	333	1286	314		
	Rio Road	P-4-79	941	384	13	795	46	642	3950	1186		
	Moose Brook	P-5-79	1217	116	0	1151	0	309	1035	1826		
	Maliget Bk.	P-6-79	1237	228	36	919	40	779	1839	1249		
	McCormack Bk.	P0-01-79	751	0	44	839	0	1325	176	839		
	Mulligan BS	TP-1-79	1076	439	485	2159	181	995	2101	944		
	McCormack Mtn.	TP-2-79	827	326	3	1552	107	745	3211	2742		
	Charlo	TP-3-79	974	1110	6	3732	0	89	1251	934		
	McNair Bk. JP	TP-4-79	1226	18	0	1837	0	113	435	1628		
	Miniculvert Rd.	TP-5-79	952	836	101	2535	236	1294	3119	1332		
	Eskedelloc	TP-6-79	1847	50	31	0	1	380	1444	321		
	Arseneau Loop	TP-7-79	1038	109	0	1341	0	132	257	467		
	Anaconda Mine	TP-8-79	1895	7	0	28	0	1443	1244	2808		
	Anaconda Mine	TP-9-79	928	0	0	0	0	795	397	0		
	Key Anaconda	TP-10-79	1675	433	12	662	192	976	2470	397		
	Arseneau Rd.	TP-11-79	1161	77	0	602	5	2518	2469	1176		
	Nine Mile N.	TP-12-79	1483	555	6	1881	0	1010	1502	732		
	Doucet Rd.	TP-13-79	1193	0	0	16	0	812	2054	2949		
	Maliget Bk.	TP-14-79	2280	106	26	715	0	848	981	2731		
	Doucet Rd.	TP-15-79	651	110	22	718	397	2430	3579	2640		

1. Cedar, Hemlock, Larch
2. Red Maple, Sugar Maple, Yellow Birch, Beech
3. White Birch, Poplar, Mountain Maple, Pin Cherry
4. Ash, Oak, Ironwood, Elm, Butternut, Basswood, Grey Birch, Silver Maple, Striped Maple, Willow, Serviceberry

TABLE 5-79. ((continued))

REGION	LOCATION	PLANTATION	PLANTED TREES	DENSITY (STEMS/HA)				NATURAL HARDWOOD			
				NATURAL SOFTWOOD							
				SPRUCE	PINE	FIR	OTHER	TOLERANT	INTOLERANT	OTHER ⁴	
1	Resources Rd.	TP-16-79	1215	66	0	1524	0	684	309	1701	
(cont'd)	Caribou Rd.	TP-17-79	1745	176	0	2739	0	209	817	1038	
	Tower Rd.	TP-18-79	1134	29	0	1075	0	294	1090	854	
	Arseneau Loop	TP-19-79	1207	41	0	97	0	586	886	823	
	Taylor Bk. Rd.	TP-20-79	1420	669	12	378	25	170	1357	662	
	Taylor Bk. Rd.	TP-22-79	880	520	9	606	75	890	5378	492	
	Taylor Bk. Rd.	TP-23-79	1693	0	0	14	0	721	5111	486	
	Taylor Bk. Rd.	TP-24-79	1300	0	0	8	0	803	2701	604	
	Bowser Lk.	TP-25-79	1287	28	0	94	0	265	814	1003	
	Taylor Bk. Rd.	TP-26-79	1513	1248	22	22	0	22	408	121	
	Taylor Bk. Rd.	TP-27-79	1098	918	0	2566	1543	1060	681	842	
	Key Anaconda	TP-28-79	1696	503	0	1458	450	1352	2545	848	
	Cook Savoie	TP-29-79	1625	383	216	3178	13	310	4877	1409	
	Lawson Bk. Rd.	TP-30-79	773	596	11	585	44	961	3734	342	
	Lawson Bk. Rd.	TP-31-79	684	596	11	1016	254	452	2375	386	
	Lawson Bk. Rd.	TP-32-79	834	779	140	389	0	1770	2409	530	
	Lawson Bk. Rd.	TP-33-79	891	254	0	795	732	477	700	891	
	Dunns Area	TP-34-79	1285	1471	0	570	0	1378	4693	2094	
	Miniculvert BS	TP-35-79	780	288	8	373	0	339	3615	1078	
	Mulligan JP	TP0-01-79	1259	1035	546	1450	0	613	1300	306	
	McCormack Mtn.	TP0-02-79	972	353	35	614	75	97	1330	1993	
	Charlo Fill	TP0-03-79	297	4583	0	4838	0	0	763	1044	
	McNeir Bk. BS	TP0-04-79	2121	53	0	4056	0	450	2227	2943	
	Miniculvert JP	TP0-35-79	662	899	84	984	8	721	1918	1621	
	McCormack Mtn.	TP9-92-79	1392	331	0	1226	0	1822	2916	1126	

TABLE 5-79. (continued)

REGION	LOCATION	PLANTATION	PLANTED TREES	DENSITY (STEMS/HA)					NATURAL HARDWOOD			
				NATURAL SOFTWOOD								
				SPRUCE	PINE	FIR	OTHER		TOLERANT	INTOLERANT	OTHER ⁴	
2	Six Mile Bk.	P-30-79	1702	869	159	106	10		328	461		880
	Blackville Twr.	P-31-79	2517	1211	170	31	7		880	276		497
	Six Mile Bk.	P0-30-79	1365	1378	198	66	79		689	331		490
	Blackville 1980	P0-31-79	2807	1226	328	13	0		194	281		3
	Blackville BS	P8-31-79	2202	1639	671	813	26		384	1422		3
	Blackville RP	P9-31-79	1657	1206	251	0	13		755	92		689
	Shinnickburn	TP-78-79	1550	2926	540	71	5		489	346		50
	Stony Bk	TP-79-79	2358	9	0	0	0		61	4350		1153
	Burntland BS	TP-80-79	1816	1475	747	621	25		689	815		711
	Burntland JP	TP0-80-79	2356	1887	718	578	23		324	482		449
3	Lk. Stream Burn	P-23-79	1639	1733	108	883	132		309	2450		1409
	Minto Mud Dump	P-24-79	1637	0	0	3	0		46	2154		1312
	Alward Bk. Burn	P-25-79	1678	207	72	135	0		85	9115		1000
	Teahana Corner	P-26-79	563	107	0	5370	0		625	2142		376
	L. Salmon River	P-27-79	798	372	4	1006	0		1514	2089		290
		(TP-71-79)										
	Trout Bk.	P-28-79	1162	1993	63	419	4		674	2847		696
		(TP-82-79)										
	Schoals Dam	P-29-79	674	397	0	855	0		24	952		397
	Bronson JP & BS	P-32-79	1071	563	78	1350	12		447	1126		2842
	Monteagle	P-34-79	427	2633	12	1663	0		1108	560		488
	Teahana Corner	P9-90-79	441	154	0	4529	0		331	1215		928
	Flowers Cove	P9-99-79	1973	0	0	0	0		0	2291		2864
	Gaspereau BS JP	TP-63-79	2007	2295	245	343	190		641	901		75
	Gordon Bk. BS JP	TP-64-79	1406	1463	499	2256	11		1214	1772		1959

TABLE 5-79. (continued)

REGION	LOCATION	PLANTATION	PLANTED TREES	DENSITY (STEMS/HA)					NATURAL HARDWOOD			
				NATURAL SOFTWOOD					TOLERANT	INTOLERANT	OTHER ⁴	OTHER ⁴
				SPRUCE	PINE	FIR	OTHER	OTHER				
3	West R.	TP-65-79	1356	229	0	48	0	0	3826	1975	388	
	(cont'd)Victor Lk.	TP-66-79	1054	342	0	1152	0	0	925	2536	710	
	Goose Ck.	TP-67-79	1265	184	0	699	8	0	233	2245	24	
	Four Mi. Lk.	TP-68-79	944	659	0	672	0	0	918	3666	19	
	Bonnell Bk.	TP-69-79	848	954	0	556	0	0	238	1034	106	
	Big Salmon R.	TP-70-79	1276	692	0	440	0	0	533	1110	742	
	Monteagle JP	TP-72-79	890	1352	79	1657	26	0	1730	2538	556	
	L. Salmon R.	TP-73-79	1126	353	0	353	0	0	88	1679	1016	
	Dustan Bk.	TP-74-79	624	3541	0	2859	0	0	1306	1098	151	
	Goose Ck.	TP-75-79	904	426	0	680	0	0	472	2605	5	
	Seely Beach	TP-76-79	450	1405	0	1060	0	0	238	1484	53	
	Bonnell Bk.	TP-77-79	1016	154	0	22	0	0	2054	88	508	
	MacDonald Bk.	TP-81-79	1533	380	178	1498	4	0	2065	2874	2538	
	Gordon Bk. BS	TP-64-79	1259	2209	66	6230	22	0	1745	2563	2607	
	Monteagle BS	TP-72-79	1017	2179	170	466	59	0	813	1131	808	
	MacDonald Bk. 80	TP-81-79	1437	1076	42	493	10	0	1204	1724	1204	
	Gordon Bk. NRP	TP-64-79	1439	1477	37	549	946	0	1344	1231	1515	
	Victor Lk. NRP	TP-66-79	742	265	0	4878	0	0	132	1378	291	
	Power Ln. NRP	TP-98-79	1655	3437	789	687	76	0	1400	1324	152	
	Trout Bk. NRP	TP-99-79	370	551	0	7533	0	0	763	1570	700	
4	Mud Lake	P-18-79	950	91	9	1184	4	0	576	576	1805	
	Grand John Mtn.	P-19-79	1806	136	0	2309	52	0	5049	658	313	
	Napadogan Lk.	P-20-79	735	48	0	17186	0	0	3495	554	10798	
	Napadogan Lk.	P-21-79	940	180	12	14281	0	0	5447	699	18463	
	Frenchman's Bk.	P-22-79	1281	424	17	7556	0	0	1131	2112	1361	
	Mud Lake	P0-18-79	795	915	36	795	12	0	843	1747	1072	

TABLE 5-79. (continued)

REGION	LOCATION	PLANTATION	PLANTED TREES	NATURAL SOFTWOOD				NATURAL HARDWOOD			OTHER ⁴
				SPRUCE	PINE	FIR	OTHER	TOLERANT	INTOLERANT		
5	Sunset Peak	TP-43-79	1158	63	0	1212	0	47	306		1164
	(cont'd)W. Gounamitz	TP-44-79	1453	9	0	2626	0	132	6844		11239
	Otter Bk. 1	TP-45-79	1856	29	0	515	0	0	721		3387
	Otter Bk. 2	TP-46-79	1617	0	0	0	0	0	198		0
	Otter Bk. 3	TP-47-79	1635	0	0	66	0	331	4706		596
	Otter Bk. 4	TP-48-79	1723	0	0	2143	0	0	596		6385
	Otter Bk. 5	TP-49-79	1635	132	0	5258	0	0	883		48
	Bernard Bk. E.	TP-50-79	1213	145	0	3102	0	0	291		10
	Bernard Bk. M.	TP-51-79	1944	220	0	3778	0	0	0		7
	Bernard Bk. W.	TP-52-79	1706	16	0	5054	0	0	1044		71
	Little Fork JP	TP0-38-79	1960	66	0	1439	0	331	1148		45

TABLE 6-79 . PLANTATION ASSESSMENT SUMMARY 1979 PLANTATIONS

Region	Plantation	Site Preparation	Area (ha)	# of Plots	Species	Stock Type	ORIGINAL YEAR		FIRST YEAR		THIRD YEAR	
							Density (trees /ha)	Hgt. (cm)	Survival (%)	Hgt. (cm)	Survival (%)	Hgt. (cm)
1	P-1-79	Finnish Plow	251	40.0	BS	BR	1786	28	87	28	79	41
	P-2-79	Wildfire and Shark Fin Barrels	227	99.0	BS	BR	1595	29	73	30	68	47
	P-3-79	Bracke	28	27.0	BS	BR	1424	29	84	32	74	47
	P-4-79	Bracke	26	21.0	BS	BR	1345	27	82	29	72	40
	P-5-79	Finnish Plow	43	34.0	BS	BR	1731	27	82	27	76	42
	P-6-79	Controlled Burn and Bracke	82	31.9	JP	BR	1888	12	67	13	64	69
	P0-01-79	Finnish Plow	0.3	1.1	JP	PP	2010	12	100	14	100	72
			(See P-1-79)	0.2	WS	PP	1193	8	100	25	100	34
				2.8	JP	BR	1909	9	38	21	38	31
	TP-1-79	Finnish Plow	50	5.0	BS	PP	1511	12	93	25	91	31
	TP-2-79	Shark Fin Barrels	191	67.6	BS	PP	1110	13	86	25	78	44
			71	15.4	JP	PP	801	12	88	19	76	43
	TP-3-79	Shark Fin Barrels	216	70.9	BS	PP	1139	19	93	26	87	50
			10	3.1	JP	PP	555	15	100	24	92	45
	TP-4-79	Shark Fin Barrels	30	8.0	JP	PP	1674	5	84	14	73	53
	TP-5-79	Disc Trencher	184	54.3	JP	PP	1156	8	89	16	81	52
	TP-6-79	Wildfire and Finnish Plow	310	0.1	JP	BR	2165	-	100	-	100	60
				36.0	JP	PP	1870	-	97	11	96	41
	TP-7-79	Bracke	71	18.0	JP	PP	1613	8	84	17	64	48

TABLE 6-79. PLANTATION ASSESSMENT SUMMARY 1979 PLANTATIONS

Region	Plantation	Site Preparation	Area # of (ha) Plots	Species	Stock Type	ORIGINAL YEAR		FIRST YEAR		THIRD YEAR	
						Density (trees /ha)	Hgt. (cm)	Survival (%)	Hgt. (cm)	Survival (%)	Hgt. (cm)
1 (cont'd)	TP-8-79	Controlled Burn and Bracke	1	0.6	WS	BR	-	100	35	75	68
	TP-9-79	Bracke	43	17.4	JP	PP	-	99	12	95	63
	TP-10-79	Controlled Burn and Bracke	6	1.0	JP	PP	1989	-	-	47	26
	TP-11-79	Finnish Plow	22	11.0	JP	PP	1796	97	23	93	65
	TP-12-79	Finnish Plow	51	24.0	BS	PP	1326	94	24	88	37
	TP-13-79	Bracke	1	1.0	JP	PP	2121	94	27	44	40
	TP-14-79	Controlled Burn and Bracke	67	21.0	BS	PP	1629	95	23	91	35
	TP-15-79	Bracke	1	0.4	BS	PP	2386	88	17	88	38
	TP-16-79	Finnish Plow	26	8.6	JP	PP	1441	98	23	87	56
	TP-17-79	Controlled Burn and Bracke	32	0.7	JP	BR	3712	100	14	100	82
	TP-18-79	Bracke	25	3.4	JP	PP	2153	100	9	98	77
	TP-19-79	Finnish Plow	14	2.0	BS	BR	1790	70	34	70	50
	TP-20-79	Bracke	15	9.0	JP	PP	1385	90	21	82	50
	TP-21-79	Controlled Burn and Bracke	30	20.0	JP	PP	1498	89	23	81	74

TABLE 6-17. PLANTATION ASSESSMENT SUMMARY 1979 PLANTATIONS

Region	Plantation	Site Preparation	Area (ha)	# of Plots	Species	Stock Type	ORIGINAL YEAR		FIRST YEAR		THIRD YEAR	
							Density (trees/ha)	Hgt. (cm)	Survival (%)	Hgt. (cm)	Survival (%)	Hgt. (cm)
I (cont'd)	IP-20-79	Controlled Burn and Disc Trencher	37	21.0	JP	PP	1515	13	95	25	94	76
	IP-22-79	Controlled Burn and Disc Trencher	42	14.0	JP	PP	966	12	92	27	91	77
	IP-23-79	Controlled Burn and Disc Trencher	52	9.0	JP	PP	1709	12	100	29	99	103
	IP-24-79	Controlled Burn and Disc Trencher	62	16.0	JP	PP	1375	8	99	26	95	107
	IP-25-79	Controlled Burn	57	14.0	JP	PP	1496	7	94	22	86	79
	IP-26-79	Controlled Burn and Disc Trencher	38	13.0	BS	PP	1744	19	84	22	83	42
	IP-27-79	Controlled Burn and Disc Trencher	52	14.0	BS	PP	1562	20	78	28	70	48
	IP-28-79	Finnish Plow	14	5.0	BS	PP	2121	21	86	29	80	51
	IP-29-79	Shark Fin Barrels and Disc Trencher	58	16.0	BS	PP	1931	23	87	28	86	65
	IP-30-79	Controlled Burn and Disc Trencher	69	22.0	JP	PP	1772	7	94	16	90	71
	IP-31-79	Controlled Burn and Disc Trencher	38	12.0	JP	PP	928	6	89	20	83	84
	IP-32-79	Disc Trencher	77	17.0	JP	PP	773	8	93	19	89	65
							951	8	89	16	88	66

TABLE 6-79. PLANTATION ASSESSMENT SUMMARY 1979 PLANTATIONS

Region	Plantation	Site Preparation	Area (ha)	# of Plots	Species	Stock Type	ORIGINAL YEAR		FIRST YEAR		THIRD YEAR	
							Density (trees/ha)	Hgt. (cm)	Survival (%)	Hgt. (cm)	Survival (%)	Hgt. (cm)
(cont'd)	IP-33-79	Finnish Plow	12	6.0	JP	PP	1188	-	98	11	85	57
	TP-34-79	Controlled Burn and Disc Trencher	33	10.0	JP	PP	1525	8	95	15	84	40
IP-35-79	Controlled Burn and Disc Trencher		35	0.8	BS	BR	764	-	100	33	100	49
				3.6	BS	PP	1864	-	87	16	66	42
				0.6	WS	PP	1829	-	88	18	88	42
TP0-01-79	Finnish Plow		(See TP-1-79)	3.0	BS	PP	1370	10	84	24	84	29
				0.3	WS	PP	2254	12	100	27	100	44
				12.7	JP	PP	1346	12	95	26	94	60
TP0-02-79	Shark Fin Barrels		(See TP-2-79)	26.7	BS	PP	1180	13	92	24	80	45
				3.3	JP	PP	1222	11	97	20	97	72
TP0-03-79	Shark Fin Barrels		(See TP-3-79)	3.0	JP	PP	-	-	-	-	-	-
TP0-04-79	Shark Fin Barrels		(See TP-4-79)	5.0	BS	PP	2227	22	96	32	95	66
TP0-35-79	Finnish Plow		(See TP-35-79)	0.9	JP	BR	833	-	100	56	100	169
TP9-92-79*	Shark Fin Barrels		(See TP-2-79)	3.1	JP	PP	785	-	95	9	79	26
				4.0	BS	PP	1657	13	85	26	84	52

* Not Reported Planted

TABLE 6-79. PLANTATION ASSESSMENT SUMMARY 1979 PLANTATIONS

Region	Plantation	Site Preparation	Area # of Plots	Species	Stock Type	ORIGINAL YEAR		FIRST YEAR		THIRD YEAR	
						Density (trees/ha)	Hgt. (cm)	Survival (%)	Hgt. (cm)	Survival (%)	Hgt. (cm)
2	P-30-79	Finnish Plow	107	24.9	RP	2217	19	90	22	77	43
			48	0.1	JP	1989	14	100	12	-	-
	P-31-79	Finnish Plow	507	1.0	BS	3314	15	92	19	88	64
				169.9	JP	2735	14	93	16	92	63
	P0-30-79	Finnish Plow	33	0.1	RP	2121	-	100	-	100	104
			(See P-30-79)	10.0	JP	2307	13	61	14	59	55
	P0-31-79	Finnish Plow	(See P-31-79)	19.0	JP	2821	-	100	17	100	65
			(See P-31-79)	0	RP	3056	-	100	-	100	22
	P8-31-79*	Finnish Plow	(See P-31-79)	31.0	BS	2780	27	83	29	79	41
			(See P-31-79)	10.0	RP	1816	19	94	19	91	46
	TP-78-79	Disc Trencher	93	26.0	WS	1780	20	90	24	87	31
	TP-79-79	Wildfire	134	44.0	JP	2582	10	91	28	90	100
	TP-80-79	Crusher	723	127.2	BS	2241	16	84	22	80	44
			267	37.0	WS	2214	23	90	23	88	46
TP0-80-79	Crusher		(See TP-80-79)	4.8	JP	2283	10	71	22	66	76
			(See TP-80-79)	23.1	BS	2528	20	90	23	87	52
			(See TP-80-79)	12.0	WS	2287	24	91	24	86	43
			68.9	JP	PP	2735	9	92	19	91	77

* Not Reported Planted

TABLE 6-79. PLANTATION ASSESSMENT SUMMARY 1979 PLANTATIONS

Region	Plantation	Site Preparation	Area (ha)	# of Plots	Species	Stock Type	ORIGINAL YEAR		FIRST YEAR		THIRD YEAR	
							Density (trees /ha)	Hgt. (cm)	Survival (%)	Hgt. (cm)	Survival (%)	Hgt. (cm)
3	P-23-79	Controlled Burn	55	27.0	JP	BR	1881	13	90	16	87	54
	P-24-79	Strip Mining	149	1.8	JP	BR	2479	11	97	16	97	42
				42.2	RP	BR	2040	20	85	24	80	42
	P-25-79	Wildfire	104	38.4	BS	BR	2412	26	74	27	63	41
				2.0	WS	BR	1193	34	83	37	72	41
				13.6	JP	BR	2790	12	78	16	77	64
	P-26-79	Shark Fin Barrels	78	2.5	BS	BR	1061	27	85	25	60	39
				29.0	WS	BR	1550	28	66	25	44	26
				12.5	JP	BR	1464	9	36	11	18	25
	P-27-79	Shark Fin Barrels	258	44.8	BS	BR	1523	27	77	28	69	39
				21.0	BS	PP	934	18	92	17	82	37
				33.3	JP	PP	638	16	90	19	84	63
	P-28-79	Disc Trencher	101	1.9	BS	BR	1065	25	47	26	47	37
				2.0	BS	PP	928	28	93	34	50	43
				43.8	JP	BR	1314	14	94	18	90	54
3	P-29-79	Shark Fin Barrels	80	11.0	JP	BR	1543	21	93	24	91	47
	P-32-79	C & H Plow	162	2.7	BS	BR	795	13	86	25	85	52
				33.3	JP	BR	2038	25	73	29	73	45
				21.0	BS	BR	1416	13	82	17	73	65
	P-34-79	Disc Trencher	274	1.0	BS	PP	947	26	48	32	43	35
							1061	28	75	36	75	34

TABLE 6-79. PLANTATION ASSESSMENT SUMMARY 1979 PLANTATIONS

Region	Plantation	Site Preparation	Area # of (ha) Plots Species	Stock Type	ORIGINAL YEAR		FIRST YEAR		THIRD YEAR	
					Density (trees /ha)	Hgt. (cm)	Survival (%)	Hgt. (cm)	Survival (%)	Hgt. (cm)
3 (cont'd)	P9-90-79*	Shark Fin Barrels	(See 6.0 WS P-26-79)	BR	840	28	61	27	53	38
	P9-99-79*	Other	-	BR	2165	-	94	26	89	84
	IP-63-79	Finnish Plow	420	PP	994	22	93	27	87	31
			72.0 JP	PP	2259	5	95	12	92	48
	IP-64-79	Shark Fin Barrels	900	PP	1631	13	91	21	87	45
			214.8 JP	PP	1605	9	94	21	88	67
	IP-65-79	Shark Fin Barrels	39	PP	1773	18	94	28	83	44
			26.3 WS	BR	936	11	77	30	58	57
			3.7 JP							
	IP-66-79	Shark Fin Barrels	209	PP	1298	13	87	20	81	48
	IP-67-79	Shark Fin Barrels	163	PP	1490	17	92	28	85	43
	IP-68-79	Shark Fin Barrels	241	PP	1108	13	87	26	84	55
	IP-69-79	Shark Fin Barrels	79	PP	928	14	94	24	91	47
	IP-70-79	Shark Fin Barrels	115	PP	1458	13	92	28	88	48
	IP-72-79	Disc Trencher	(See 21.0 JP P-34-79)	PP	972	15	98	20	92	30
	IP-73-79	Shark Fin Barrels	(See 6.0 BS P-29-79)	PP	1193	11	95	30	97	51
			1.0 JP	BR	1061	7	100	22	88	38
			1.0 JP	PP	928	9	100	24	100	30

* Not Reported Planted

TABLE 6-79. PLANTATION ASSESSMENT SUMMARY 1979 PLANTATIONS

Region	Plantation	Site Preparation	Area (ha)	# of Plots	Species	Stock Type	ORIGINAL YEAR		FIRST YEAR		THIRD YEAR	
							Density (trees/ha)	Hgt. (cm)	Survival (%)	Hgt. (cm)	Survival (%)	Hgt. (cm)
3	IP-74-79	Shark Fin Barrels	58	7.0	BS	PP	795	11	83	19	79	43
	IP-75-79	Shark Fin Barrels	153	23.0	BS	PP	1084	16	90	30	84	47
	IP-76-79	Shark Fin Barrels	27	5.0	BS	PP	875	11	70	21	52	50
	IP-77-79	Shark Fin Barrels	28	6.0	BS	PP	1061	17	96	31	96	59
	IP-81-79	Finnish Plow	215	3.0	BS	PP	1706	18	89	24	82	44
				57.0	JP	PP	1764	7	96	19	87	67
	IP0-64-79	Shark Fin Barrels	(See TP-64-79)	6.0	BS	PP	1503	11	97	26	84	42
	IP0-72-79	Disc Trencher	(See IP-72-79)	66.0	BS	PP	1368	13	90	22	74	31
				8.0	JP	PP	1177	15	97	20	94	39
	IP0-81-79	Finnish Plow	(See IP-81-79)	24.0	JP	PP	1501	-	98	20	96	50
	IP9-64-79*	Shark Fin Barrels	(See IP-64-79)	1.0	BS	PP	3049	15	91	18	87	22
				6.0	JP	PP	1525	5	97	9	81	34
	IP9-66-79*	Shark Fin Barrels	(See IP-66-79)	5.0	BS	PP	1061	15	78	25	70	54
	IP9-98-79*	Finnish Plow	-	5.0	JP	PP	2139	7	82	13	77	48
	IP9-99-79*	No Site Preparation and Finnish Plow	-	11.0	JP	PP	405	5	91	10	91	41

* Not Reported Planted

TABLE 6-79. PLANTATION ASSESSMENT SUMMARY 1979 PLANTATIONS

Region	Plantation	Site Preparation	Area (ha)	# of Plots	Species	Stock Type	ORIGINAL YEAR		FIRST YEAR		THIRD YEAR	
							Density (trees/ha)	Hgt. (cm)	Survival (%)	Hgt. (cm)	Survival (%)	Hgt. (cm)
4	P-18-79	Shark Fin Barrels	56	25.6 3.4	BS JP	BR	1414 1718	30 16	77 84	31 15	65 70	44 80
	P-19-79	Herbicide and Shark Fin Barrels	65	34.0	RP	BR	2129	24	96	25	85	52
	P-20-79	No Site Preparation	21	11.0	WS	BR	1314	24	59	26	56	35
	P-21-79	No Site Preparation	23	11.0	JP	BR	1567	13	62	14	60	56
	P-22-79	Shark Fin Barrels	36	15.0	RP	BR	1706	20	93	22	75	32
	P0-18-79	Shark Fin Barrels	15	11.0	RP	BR	1410	19	86	23	56	39
	TP-53-79	No Site Preparation	42	18.0	BS	PP	781	18	84	17	68	36
	TP-54-79	No Site Preparation	180	69.0	BS	PP	536	13	84	23	74	52
	TP-55-79	No Site Preparation	57	15.0	BS	PP	1069	18	79	25	76	46
	TP-56-79	No Site Preparation	16	7.0	BS	SB	746	-	90	12	73	46
	TP-57-79	No Site Preparation	88	19.0	BS	PP	426	14	87	29	87	67
	TP-58-79	Shark Fin Barrels	75	43.0	BS	Pp	1720	13	91	19	84	43
	TP-59-79	Herbicide and Shark Fin Barrels	49	21.2 2.8	BS WS	PP	2301 1941	16 6	87 88	26 17	85 80	53 38
	TP-60-79	Shark Fin Barrels	81	39.0	JP	PP	1934	12	95	14	85	58
	TP-61-79	Shark Fin Barrels	57	20.0	BS	PP	1757	16	90	25	71	33

TABLE 6-79. PLANTATION ASSESSMENT SUMMARY 1979 PLANTATIONS

Region	Plantation	Site Preparation	Area # of Plots (ha)	Species	Stock Type	ORIGINAL YEAR		FIRST YEAR		THIRD YEAR	
						Density (trees/ha)	Hgt. (cm)	Survival (%)	Hgt. (cm)	Survival (%)	Hgt. (cm)
4	IP-62-79	Shark Fin Barrels	81	41.0	BS	1507	12	84	21	81	58
	(cont'd) IP0-57-79	No Site Preparation	(See IP-57-79)	5.0	BS	857	13	70	24	67	48
	IP0-62-79*	Shark Fin Barrels	(See IP-62-79)	2.0	BS	1525	14	57	25	57	48
5	P-7-79	Disc Trencher	99	76.0	BS	1692	19	77	19	61	35
	P-8-79	Disc Trencher	26	18.0	WS	1694	19	79	17	61	27
	P-9-79	Bracke	4	5.0	WS	1591	23	72	23	63	38
	P-10-79	Bracke	3	5.0	WS	1989	20	77	19	55	31
	P-11-79	Bracke	29	18.0	WS	1827	20	81	24	63	30
	P-12-79	Bracke	14	11.0	WS	1928	19	79	20	63	34
	P-13-79	Bracke	14	11.0	WS	1615	21	84	22	66	25
	P-14-79	Disc Trencher	61	36.0	WS	1189	20	66	20	47	30
	P-15-79	Disc Trencher	36	18.0	WS	1908	19	75	20	60	24
	P-17-86	Disc Trencher	36	11.0	WS	1229	20	82	20	69	28
	IP-37-79	Disc Trencher	30	13.0	BS	1275	16	90	28	78	42

* Not Reported Planted

TABLE 6-79. PLANTATION ASSESSMENT SUMMARY 1979 PLANTATIONS

Region	Plantation	Site Preparation	Area # of Plots	Species	Stock Type	ORIGINAL YEAR		FIRST YEAR		THIRD YEAR	
						Density (trees /ha)	Hgt. (cm)	Survival (%)	Hgt. (cm)	Survival (%)	Hgt. (cm)
5 (cont'd)	TP-38-79	Disc Trencher	54	4.0 BS	PP	1359	12	93	27	88	52
			40	7.0 JP	PP	2140	5	95	21	91	61
	TP-39-79	Bracke	17	6.0 BS	PP	2143	12	91	27	78	56
	TP-40-79	Disc Trencher	16	7.0 BS	PP	682	19	97	31	92	42
	TP-41-79	Disc Trencher	17	9.0 BS	PP	1429	13	92	32	87	44
	TP-42-79	Disc Trencher	87	36.0 BS	PP	1808	12	94	28	85	45
	TP-43-79	Disc Trencher	123	1.0 BS	BR	2917	21	59	23	55	30
				41.0 BS	PP	1335	17	87	33	86	52
	TP-44-79	Disc Trencher	40	27.0 BS	PP	1650	13	92	24	88	34
	TP-45-79	Bracke	42	9.0 WS	PP	1974	7	95	18	94	39
	TP-46-79	Bracke	13	5.0 WS	PP	1856	7	94	16	87	34
	TP-47-79	Bracke	14	3.0 WS	PP	1679	8	97	15	97	27
	TP-48-79	Bracke	19	6.0 WS	PP	1967	7	91	17	88	39
	TP-49-79	Bracke	13	3.0 WS	PP	1856	7	88	17	88	42
	TP-50-79	Bracke	64	14.0 WS	PP	1439	8	87	18	82	38
	TP-51-79	Bracke	20	6.0 WS	Pp	2232	7	87	18	87	46

* Not Reported Planted

TABLE 6-79. PLANTATION ASSESSMENT SUMMARY 1979 PLANTATIONS

Region	Plantation	Site Preparation	Area (ha)	# of Plots	Species	Stock Type	ORIGINAL YEAR		FIRST YEAR		THIRD YEAR	
							Density (trees/ha)	Hgt. (cm)	Survival (%)	Hgt. (cm)	Survival (%)	Hgt. (cm)
(cont'd)	TP-52-79	Bracke	25	8.0	WS	PP	2022	7	89	15	84	50
	TP0-38-79	Disc Trencher	(See TP-38-79)	2.0	BS	PP	2784	15	100	27	100	44
				6.0	WS	PP	1790	9	95	19	93	42
				6.0	JP	PP	2033	5	99	18	98	59

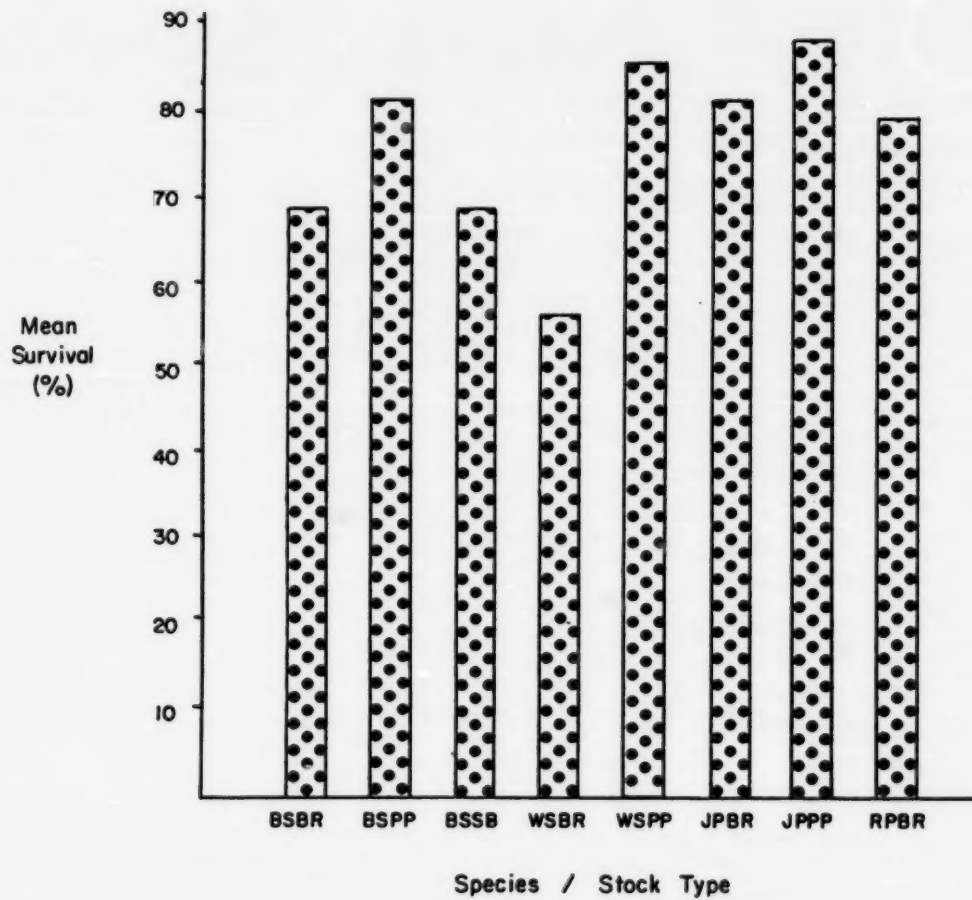


FIGURE I-79-Third year mean survival percentages for planted trees grouped by species and stock type - 1979 Plantations.

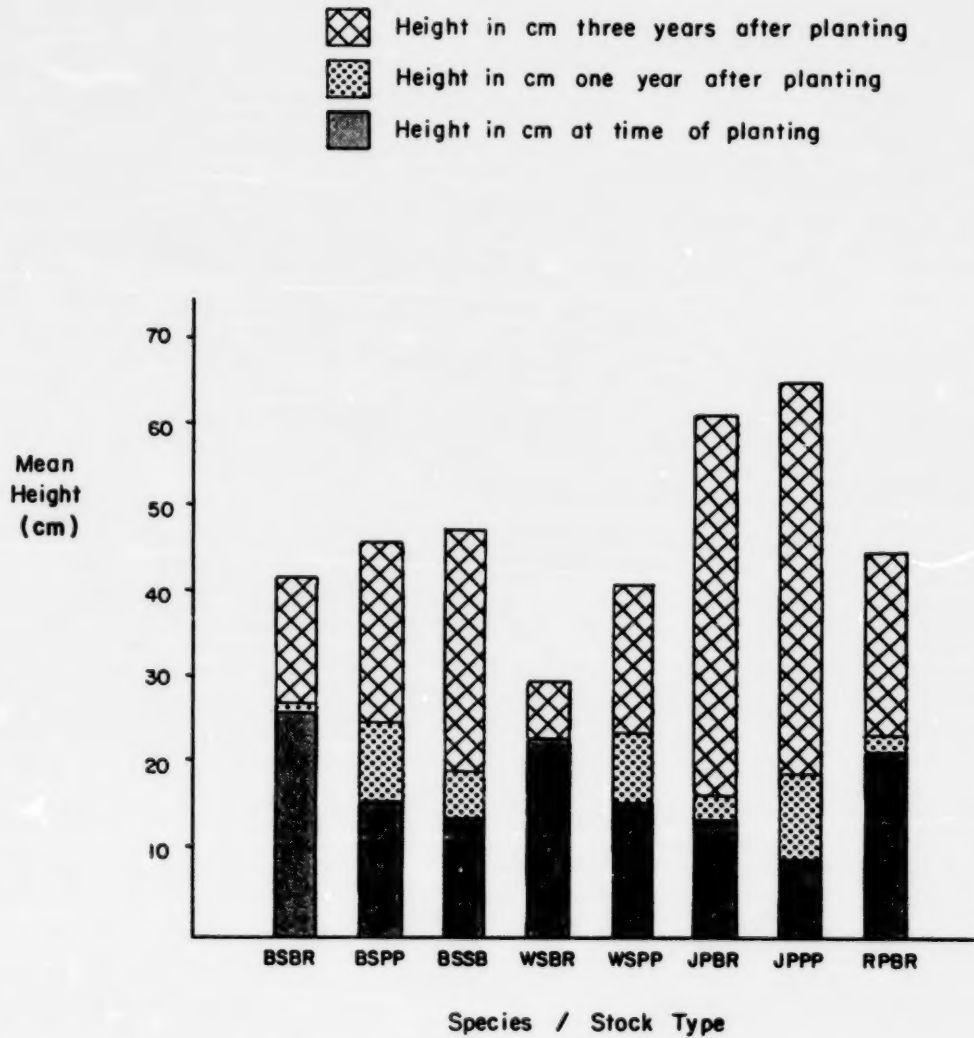


FIGURE 2-79-Mean heights for three year old planted trees grouped by species and stock type- 1979 Plantations.

TABLE 1-80. NUMBER OF TREES PLANTED AND PERCENT OF PLANTATION AREAS SAMPLED IN EACH REGION BY SPECIES' STOCK TYPE AND AREA FOR 1980 PLANTATIONS

REGION	BR ¹	BLACK SPRUCE		SB ³	WHITE SPRUCE		JACK PINE		RED PINE		LARCH	
		PPZ	BR		BR	PP	BR	PP	BR	PP	BR	PP
1	Number ⁴	996,900	2,913,100	-	-	-	855,900	1,719,900	-	-	386,300	-
	Area ⁵	667	1,351	-	-	-	539	665	-	-	120	-
	% ⁶	100	100	-	-	-	100	100	-	-	100	-
2	Number	269,000	1,714,500	-	-	-	2,464,500	1,420,600	99,100	-	-	-
	Area	107	717	-	-	-	892	583	45	-	-	-
	%	100	100	-	-	-	100	100	100	-	-	-
3	Number	480,700	2,981,300	138,000	839,900	-	1,200,800	1,456,400	142,500	-	-	-
	Area	196	886	134	348	-	427	460	56	-	-	-
	%	100	100	100	100	-	100	100	100	-	-	-
4	Number	349,800	1,581,000	76,000	200,000	-	15,000	302,000	264,200	-	-	-
	Area	125	825	52	101	-	4	104	206	-	-	-
	%	100	100	100	100	-	100	100	100	-	-	-
5	Number	2,552,800	212,700	-	347,600	471,600	-	-	-	-	-	-
	Area	986	68	-	140	96	-	-	-	-	-	-
	%	99	100	-	100	97	-	-	-	-	-	-
Prov.	Number	4,649,200	9,402,600	214,000	1,387,500	471,600	4,536,200	4,898,900	505,800	386,300	-	-
	Area	2,082	3,847	186	589	96	1,862	1,812	307	120	-	-
	%	99	100	100	100	97	100	100	100	100	-	-

1. Bare Root Stock Type 3. Styroblock Stock Type 5. Area Planted in Hectares
2. Paper Pot Stock Type 4. Number of Trees Planted 6. Percent of Area Sampled

TABLE 2-80. MEAN SURVIVAL IN PERCENT ONE YEAR AND THREE YEARS AFTER PLANTING BY SPECIES AND STOCK TYPE FOR 1980 PLANTATIONS

REGION		BLACK SPRUCE			WHITE SPRUCE		JACK PINE		RED PINE		LARCH	
		BR1	PP2	SB3	BR	PP	BR	PP	BR	PP	BR	PP
1	1st YR	76	92	-	82	91	90	92	97		92	
	3rd YR	67	86	-	79	89	85	87	73		90	
2	1st YR	88	96	-	78	97	93	93	89		-	
	3rd YR	83	96	-	55	96	89	92	73		-	
3	1st YR	79	88	84	88	96	93	91	96		-	
	3rd YR	64	82	79	78	79	87	88	91		-	
4	1st YR	90	89	85	78	89	96	98	89		-	
	3rd YR	88	84	83	59	85	96	98	72		-	
5	1st YR	81	89	-	77	90	-	-	-		-	
	3rd YR	68	85	-	64	85	-	-	-		-	
PROV.	1st YR	82	90	84	82	92	93	92	91		92	
	3rd YR	74	86	81	72	88	88	89	76		90	

1. Bare Root Stock Type
2. Paper Pot Stock Type
3. Styroblock Stock Type

TABLE 3-80. AVERAGE HEIGHT OF PLANTATION TREES - ORIGINAL, ONE YEAR AND THREE YEARS AFTER PLANTING BY SPECIES AND STOCK TYPE FOR 1980 PLANTATIONS

REGION	BLACK SPRUCE			WHITE SPRUCE		JACK PINE		RED PINE		LARCH	
	BR1	PP2	SB3	BR	PP	BR	PP	BR	PP	BR	PP
1	Orig ⁴	27	14	-	25	16	19	17	26	26	15
	1st YR ⁵	27*	20	-	26	21	24	24	25*	25*	35
	3rd YR ⁶	40	43	-	42	45	67	64	55	55	106
2	Orig	23	12	-	24	11	18	8	25	25	-
	1st YR	26	20	-	27	20	25	16	28	28	-
	3rd YR	42	40	-	49	45	70	69	45	45	-
3	Orig	24	10	13	21	11	19	11	24	24	-
	1st YR	23*	19	21	22	14	24	23	26	26	-
	3rd YR	42	40	50	42	40	78	71	72	72	-
4	Orig	24	12	13	23	11	25	15	22	22	-
	1st YR	25	25	34	23*	26	26	32	22*	22*	-
	3rd YR	45	54	82	36	58	82	72	44	44	-
5	Orig	22	12	-	18	12	-	-	-	-	-
	1st YR	23	22	-	19	21	-	-	-	-	-
	3rd YR	40	44	-	30	38	-	-	-	-	-
PROV.	Orig	25	12	13	22	13	19	13	22	22	15
	1st YR	25*	21	26	23	21	24	23	24	24	35
	3rd YR	42	44	63	39	44	72	68	50	50	106

1. Bare Root Stock Type
2. Paper Pot Stock Type
3. Styroblock Stock Type
4. Height in cm at time of planting
5. Height in cm one year after planting
6. Height in cm three years after planting
- * No height increase or decrease due to excessive rabbit damage

TABLE 4-80. PERCENT OF THIRD YEAR ASSESSMENT PLOTS IN EACH DENSITY CLASS* BY REGION FOR 1980 PLANTATIONS

REGION	0-1500			1500-3000			3000+
1	40a	29b	15c	54a	53b	38c	6a 18b 47c
2	15	4	2	67	28	19	18 68 79
3	30	18	12	56	40	30	14 42 58
4	44	29	23	49	41	30	7 30 47
5	34	31	17	56	57	43	10 12 40

* 5th Year Standards

- a. Planted trees only
- b. Includes Natural Softwood Regeneration OTHER THAN Balsam Fir
- c. Includes ALL Natural Softwood Regeneration

TABLE 5-80. DENSITY OF ALL STEMS IN THIRD YEAR ASSESSMENT PLOTS BY REGION FOR 1980 PLANTATIONS

REGION	LOCATION	PLANTATION	PLANTED TREES	NATURAL SOFTWOOD				DENSITY (STEMS/HA)			
				SPRUCE	PINE	FIR	OTHER ¹	NATURAL HARDWOOD			
								TOLERANT ²	INTOLERANT ³	OTHER ⁴	
1	Val Doucet	P-1-80	1473	976	1064	105	0	133	439	401	
	Maliget Bk.	P-2-80	1981	117	11	535	3	462	850	1469	
	Fort Mile E-65	P-3-80	1265	47	11	143	23	457	1484	1846	
	Rio Road E-64	P-4-80	1049	177	3	1620	158	3136	2017	914	
	Forty Mile E-28	P-5-80	492	309	12	1379	1022	1285	2385	878	
	Nine Mile E-30	P-6-80	1591	9	9	300	27	472	2910	1627	
	Brunswick E-46	P-7-80	865	848	3	2138	52	721	2797	760	
	Brunswick E-47	P-8-80	757	617	6	2521	241	1769	1801	821	
	Little R. E-51	P-9-80	1345	582	18	4256	327	1255	5474	818	
	Little R. E-55	P-10-80	734	646	9	5974	1106	5974	2370	1429	
	Little R. E-52	P-11-80	952	402	12	1301	283	1121	2776	1864	
	Ramsay Bk	P-19-80	1139	706	61	2365	1774	342	2755	4101	
	McCormack Lk.	P-20-80	1828	240	63	1096	118	384	1212	1059	
	Middle Bk.	P-21-80	763	318	318	1941	0	222	2037	1655	
	Taylor Bk. B-5	P-46-80	1301	834	0	1343	2574	325	1796	976	
	Forty Mile E-65	P0-03-80	1464	54	127	727	0	927	418	672	
	Forty Mile E-28	P0-05-80	1222	292	57	1559	216	859	3087	1451	
	McCormack Lk.	P0-20-80	2313	420	59	1557	233	441	1421	844	
	Forty Four Mi.	FP-2-80	1336	15	15	31	0	0	923	1225	
	Nine Mile	FP-3-80	1184	331	50	3399	0	241	190	178	
	Nine Mile	FP-4-80	1385	203	6	1271	318	914	286	356	
	Nine Mile	FP-5-80	2020	231	42	2151	26	2442	747	319	

1. Cedar, Hemlock, Larch
2. Red Maple, Sugar Maple, Yellow Birch, Beech
3. White Birch, Poplar, Mountain Maple, Pin Cherry
4. Ash, Oak, Ironwood, Elm, Butternut, Basswood, Grey Birch, Silver Maple, Striped Maple, Willow, Serviceberry

TABLE 5-80. (continued)

REGION	LOCATION	PLANTATION	PLANTED TREES	DENSITY (STEMS/HA)					NATURAL HARDWOOD			
				NATURAL SOFTWOOD								
				SPRUCE	PINE	FIR	OTHER ¹	TOLERANT ²	INTOLERANT ³	OTHER ⁴		
1	Nine Mile E-30	TP-2-80	1800	36	0	836	1818	163	2382	854		
(cont'd)	Maliget Bk.	TP-3-80	2029	119	39	1838	0	803	851	198		
	Pabineau E-80	TP-4-80	1253	102	11	1338	245	1832	3983	839		
	Cook Savoie 19	TP-5-80	2524	76	0	4875	0	157	3536	3618		
	Taylor Bk. B-45	TP-6-80	2518	38	60	0	0	531	409	802		
	Taylor Bk. B-150	TP-7-80	2291	189	25	487	18	1509	1345	8534		
	Otter Bk. H-2	TP-8-80	1706	485	30	303	0	1024	745	782		
	TV-Tower D-12	TP-9-80	2411	1265	0	3385	0	0	1205	1932		
	44-Mile D-2	TP-10-80	1860	9	0	401	0	39	391	4436		
	Campbell EF-42	TP-11-80	1527	33	0	1045	0	3183	1762	4724		
	Brown's EF-41	TP-12-80	480	115	0	758	0	2777	1603	1591		
	Brown's EF-61	TP-13-80	1230	84	0	636	0	297	254	127		
	Brown's EF-210	TP-14-80	477	0	0	350	0	0	0	63		
	Lucky Lk. E-185	TP-15-80	2245	57	0	1597	0	1377	393	486		
	Roger's E-43	TP-16-80	1973	286	0	732	6429	1145	1750	318		
	Forty Mile E-6	TP-17-80	2164	902	81	1169	0	653	1116	1001		
	Wildcat	TP-18-80	2196	0	0	63	0	2801	1464	222		
	Taylor Bk. B-146	TP-19-80	2046	440	58	754	0	127	284	6111		
	Benjamin Rd.	TP-39-80	1899	0	0	954	0	445	541	4562		
	McNair Bk. F-43	TP-40-80	1608	26	0	1145	0	301	1025	3343		
	McNair Bk. F-53	TP-41-80	1368	0	0	222	0	1798	986	4838		
	McNair Bk. F-50	TP-42-80	1665	594	6	3470	0	2360	3225	3571		
	McNair Bk. F-51	TP-43-80	1521	74	0	1948	2	672	2892	4604		
	McNair Bk. F-153	TP-44-80	1905	332	0	1343	0	82	1306	3836		
	McNair Bk. F-147	TP-45-80	2374	66	0	88	0	77	249	3415		
	Middle Bk.	TP-46-80	1737	299	22	2606	0	1378	1153	2688		
	McNair F-56	TP-47-80	1459	88	9	2409	0	5200	1909	4622		

TABLE 5-80. (continued)

REGION	LOCATION	PLANTATION	PLANTED TREES	DENSITY (STEMS/HA)					NATURAL HARDWOOD		
				NATURAL SOFTWOOD			OTHER ¹	TOLERANT ²	INTOLERANT ³	OTHER ⁴	
				SPRUCE	PINE	FIR					
1	Akroyd Lake	TP-48-80	2223	868	218	610	0	969	2242	2517	
	(cont'd) Brown's EF-61	TP0-13-80	1230	42	0	862	0	608	155	820	
	Roger's E-43	TP0-16-80	840	2686	63	2240	2902	611	496	598	
	Wildcat	TP0-18-80	1559	0	0	190	0	2960	95	2069	
	McNair F-56	TP0-47-80	1782	178	16	2835	0	4150	1383	44	
	NRP*	TP9-91-80	2843	254	0	3055	0	0	3013	7533	
2	Molus River	P-43-80	2385	993	293	1285	90	406	2044	2153	
	Sabies & Meadow	P-44-80	1816	1186	415	489	170	1574	2506	783	
	Green Brook	P-45-80	2330	1924	103	29	64	962	1172	469	
	N.BH Bartibog	P-47-80	1177	647	1538	116	42	307	1061	562	
	Busby	P-48-80	1743	785	472	142	979	103	1543	500	
	Campbell Bk.	P-49-80	2704	981	152	155	28	186	713	203	
	N.BH Bartibog	TP-20-80	2124	1058	851	135	0	429	254	143	
	Betteburg & Otter	TP-21-80	1995	1015	742	1003	92	1116	703	1133	
	N.BH Bartibog	TP-79-80	2052	968	771	64	4	199	74	194	
	Bartibog R.	TP-80-80	3038	761	95	899	1	889	1721	1187	
	Busby	TP-81-80	2431	807	81	590	20	603	1077	789	
	Betteburg	TP0-21-80	2123	748	1175	1333	0	812	2291	632	
3	Mud Dumps	P-12-80	3601	9	0	0	0	0	800	18	
	McLeod Bk.	P-13-80	1933	815	306	3113	3	1346	4605	1257	
	Big Forks	P-14-80	2081	1571	821	384	33	2187	2989	1916	
	McGinty Bk.	P-15-80	1527	660	297	2244	0	2654	4772	2334	
	Point Wolfe	P-16-80	1637	435	0	1273	0	1597	3591	866	

* Not Reported Planted

TABLE 5-80. (continued)

REGION	LOCATION	PLANTATION	PLANTED TREES	DENSITY (STEMS/HA)				NATURAL HARDWOOD			
				NATURAL SOFTWOOD							
				SPRUCE	PINE	FIR	OTHER ¹	TOLERANT ²	INTOLERANT ³	OTHER ⁴	OTHER ⁴
3	New Scotland	P-17-80	707	1174	367	664	0	198	580	1131	
	(cont'd)New Scotland	P-18-80	1875	1100	163	588	54	701	1400	2213	
	McGinty Bk.	TP-24-80	1511	636	143	2291	15	1352	1305	843	
	Nevers Brook	TP-25-80	1845	1526	104	819	3	913	2680	681	
	Coy Brook	TP-26-80	2059	746	215	311	79	649	7393	1593	
	Bronson	TP-27-80	1916	417	49	2079	0	813	3883	381	
	Cherry Bk.	TP-28-80	2403	787	1026	459	0	1373	7685	4	
	Capon Brook	TP-29-80	1892	472	196	69	0	412	3675	4	
	Point Wolfe	TP-30-80	2576	200	0	412	0	979	2983	609	
	Donegal	TP-31-80	2395	67	0	1897	0	222	2136	163	
	Bagdad	TP-32-80	1126	1131	34	1758	0	1273	2854	1826	
	Bagdad	TP-33-80	1909	84	127	933	42	721	3607	3947	
	New Scotland	TP-34-80	2502	221	210	71	0	420	686	918	
	New Ireland	TP-35-80	2028	314	0	2072	0	399	1110	145	
	Lakestream	TP-36-80	1941	875	194	866	28	666	5043	1184	
	Lakestream	TP-37-80	1697	884	268	771	14	785	3621	544	
	McKeen Brook	TP-38-80	2275	3756	413	270	0	939	2275	254	
	Coy Brook	TP0-26-80	1943	144	42	2257	0	3938	6544	7350	
	Bronson	TP0-27-80	1742	557	222	1464	87	939	5777	389	
Lakestream	TP0-36-80	1909	991	379	679	80	1428	4418	927		
4	Oromocto Lk	P-22-80	1199	914	12	1524	304	3095	545	724	
	Lee Settlement	P-23-80	805	10	16	2	6	326	3161	2892	
	McGivney #1	P-24-80	2327	229	5	7084	0	402	3259	1003	
	Anderson Rd.	P-25-80	2198	1379	230	1400	344	39	880	254	
	Lee Settlement	FP-1-80	1585	214	498	16	2	16	952	897	

TABLE 5-80. (continued)

REGION	LOCATION	PLANTATION	PLANTED TREES	DENSITY (STEMS/HA)					NATURAL HARDWOOD			
				NATURAL SOFTWOOD								
				SPRUCE	PINE	FIR	OTHER ¹		TOLERANT ²	INTOLERANT ³	OTHER ⁴	
4	(cont'd) Lepreau 1 Oromocto Lk Skiff Lake Deer Lake W. Deer Lake E. Dufor Rd. SB Taxis River McGivney #2 Glencoe Lepreau 2 Skiff Lake JP Dufor Rd. PP	TP-49-80	914	9741	553	494	524	604	2419	799		
		TP-50-80	1112	2005	66	2351	132	2086	516	463		
		TP-51-80	2176	69	0	396	122	696	373	3150		
		TP-52-80	1063	2454	75	571	0	895	209	111		
		TP-53-80	1005	597	0	158	0	487	4219	1483		
		TP-54-80	1360	121	549	185	0	1417	10110	4809		
		TP-56-80	2405	302	0	1680	0	1969	237	212		
		TP-58-80	2475	714	49	5293	7	733	4746	4		
		TP-59-80	2371	194	127	2447	0	3921	1626	20		
		TP0-49-80	1064	4863	117	387	0	845	1054	8		
		TP0-51-80	2455	54	0	418	0	509	891	11		
		TP0-54-80	1289	31	0	95	0	413	12780	7352		
5	Winding Eddy Winding Eddy Winding Eddy Winding Eddy Richards Bk Levesque Bk Levesque Bk Lunts Bk Lunts Bk Lunts Bk Lunts Bk Levesque Bk Richards Bk	P-26-80	2228	254	0	700	0	0	127	5856		
		P-27-80	928	599	0	1730	97	0	1048	689		
		P-28-80	1478	145	0	1124	49	95	785	1085		
		P-29-80	919	222	0	3628	0	0	1114	3883		
		P-30-80	976	84	0	870	0	63	1061	4180		
		P-31-80	1527	95	0	509	0	636	63	954		
		P-32-80	1582	200	0	1709	0	1400	1327	3310		
		P-34-80	636	254	0	3183	0	636	891	18971		
		P-35-80	1888	0	0	127	0	84	84	1198		
		P-36-80	1886	0	0	405	0	127	69	1030		
		P-37-80	1485	42	0	297	0	0	21	0		
		P-39-80	1935	12	12	713	0	280	140	12		
		P-40-80	1878	0	0	445	0	63	445	3501		

TABLE 5-80. (continued)

REGION	LOCATION	PLANTATION	PLANTED TREES	DENSITY (STEMS/HA)					NATURAL HARDWOOD			
				NATURAL SOFTWOOD			OTHER ¹	TOLERANT ²	INTOLERANT ³	OTHER ⁴		
				SPRUCE	PINE	FIR						
5	Lunts Bk	P-41-80	1538	42	0	275	0	445	1209	901		
	(cont'd)Lunts Bk	P-42-80	1782	63	0	159	0	0	413	2355		
	Thibodeau Bk	FP-6-80	4265	0	0	31	0	238	4551	14069		
	Thibodeau Bk	FP-7-80	2037	0	0	0	0	509	2419	0		
	Thibodeau Bk	FP-8-80	3081	50	0	305	0	152	2648	11535		
	N. Gounamitz	FP-9-80	2189	15	0	682	0	336	3590	3789		
	N. Gounamitz	FP-11-80	2215	35	0	1298	0	76	3819	4415		
	N. Gounamitz	FP-12-80	2147	27	0	3055	0	0	3559	2612		
	N. Gounamitz	FP-13-80	1371	68	0	6620	0	0	1410	1586		
	N. Gounamitz	FP-14-80	2100	45	0	2355	0	0	7530	18434		
	Big Cedar	TP-22-80	1794	3	0	27	0	42	34			
	Falls Bk	TP-55-80	2291	0	0	254	0	0	178	17		
	Falls Bk	TP-60-80	2120	58	0	902	0	0	964	57		
	Little Fork	TP-61-80	1867	28	0	707	0	0	28	10		
	Little Fork	TP-62-80	1002	79	0	843	0	0	111	1384		
	Little Fork	TP-63-80	2215	0	0	4710	0	101	3819	4329		
	Little Fork	TP-64-80	2053	254	0	2100	0	254	1034	3405		
	Caribou Bk	TP-65-80	2058	42	0	4435	0	21	42	466		
	L Gounamitz	TP-66-80	1301	99	0	862	0	905	1287	14826		
	Thibodeau Bk.	TP-67-80	848	42	0	424	0	551	1103	1230		
	Thibodeau Bk	TP-68-80	2196	63	0	0	0	732	732	2832		
	Richards Bk	TP-71-80	1260	38	0	585	0	522	445	6582		
	Richards Bk	TP-72-80	1527	101	0	305	0	356	1298	3615		
	Richards Bk	TP-73-80	1493	46	0	995	0	0	752	26		
	West Union Bk	TP-75-80	2049	270	0	4860	0	9	201	16		
	West Union Bk	TP-76-80	1822	321	0	1702	0	26	395	12		
	N. Gounamitz	TP-77-80	2091	18	0	800	0	272	4529	157		
	N. Gounamitz	TP-78-80	2024	280	0	4188	0	140	2228	258		

TABLE 6-80. PLANTATION ASSESSMENT SUMMARY 1980 PLANTATIONS

Region	Plantation	Site Preparation	Area (ha)	# of Plots	Species	Stock Type	ORIGINAL YEAR		FIRST YEAR		THIRD YEAR	
							Density (trees /ha)	Hgt. (cm)	Sur- vival (%)	Hgt. (cm)	Sur- vival (%)	Hgt. (cm)
1	P-1-80	Disc Trencher	108	61.2 1.8	JP RP	BR BR	1606 1858	18 27	95 96	22 25	93 77	57 51
	P-2-80	Controlled Burn & Finnish Plow	128	65.0 2.2	JP JP	BR PP	2255 1936	21 21	92 100	27 29	88 100	80 77
	P-3-80	Controlled Burn and Bracke	27 88	2.0 32.0	BS JP	BR BR	2228 1814	24 19	83 77	24 21	74 69	41 57
	P-4-80	Disc Trencher	70	36.0	JP	BR	1234	19	92	20	79	41
	P-5-80	Bracke	53	8.0	BS	BR	589	26	62	24	51	33
			-	12.0	WS	BR	414	-	100	17	100	33
			9	2.0	JP	BR	1210	23	53	21	37	44
			16	8.0	JP	PP	1353	19	85	19	60	48
	P-6-80	Finnish Plow & C&H Plow	18	12.0	BS	BR	1984	27	79	28	71	44
				1.0	BS	PP	2674	13	95	10	95	33
				1.0	JP	PP	3056	17	100	22	96	80
	P-7-80	Disc Trencher	44	39.0	BS	BR	1365	26	77	26	63	41
	P-8-80	Disc Trencher	34	18.0 3.0	BS BS	BR PP	1365 552	26 29	72 46	26 28	64 31	39 40
	P-9-80	Disc Trencher	22	7.0	BS	BR	1801	-	85	28	75	40
	P-10-80	Disc Trencher	19	13.0	BS	BR	1048	29	78	27	70	35
	P-11-80	Controlled Burn and Bracke	58	30.0 1.0	BS WS	BR BR	1333 2928	28 20	65 52	28 27	68 83	39 38
	P-19-80	Finnish Plow	81	63.0	WS	BR	1459	25	82	27	79	41

TABLE 6-80. (continued)

Region	Plantation	Site Preparation	Area # of Plots (ha)	Species	Stock Type	ORIGINAL YEAR			FIRST YEAR		THIRD YEAR	
						Density (trees/ha)	Hgt. (cm)	Survival (%)	Survival (%)	Hgt. (cm)	Survival (%)	Hgt. (cm)
1 (cont'd)	TP-3-80	Controlled Burn & Finnish Plow	37	16.0	TL	PP	2212	15	95	19	92	80
	TP-4-80	Disc Trencher	85	66.0	JP	PP	1563	20	93	29	80	49
	TP-5-80	Shark Fin Barrels	174	130.0	JP	PP	2699	17	97	25	94	68
	TP-6-80	Wildfire & Disc Trencher	87	29.0	JP	PP	2551	17	95	28	94	83
	TP-7-80	Controlled Burn & Disc Trencher	83	36.0	TL	PP	2508	15	90	41	89	117
	TP-8-80	Controlled Burn & Disc Trencher	53	26.0	WS	PP	2022	17	90	23	88	43
	TP-9-80	Controlled Burn & Disc Trencher	64	17.0	BS	PP	2569	15	94	21	94	50
	TP-10-80	Controlled Burn & Disc Trencher	75	17.0	BS	PP	2022	16	91	23	86	53
	TP-11-80	C&H Plow	40	19.0	WS	PP	1749	14	90	21	87	39
	TP-12-80	Disc Trencher	36	22.0	JP	PP	1597	4	51	9	30	20
	TP-13-80	Disc Trencher	19	2.0	WS	PP	1910	10	97	19	93	35
			18	1.0	JP	PP	1528	4	17	6	8	21
	TP-14-80	Disc Trencher	6	5.0	JP	PP	713	5	57	12	54	48
	TP-15-80	Controlled Burn & Disc Trencher	17	11.0	JP	PP	2477	7	92	14	91	65

Table 6-80. (continued)

Region	Plantation	Site Preparation	Area # of Plots (ha)	Species	Stock Type	ORIGINAL YEAR		FIRST YEAR		THIRD YEAR	
						Density (trees /ha)	Hgt. (cm)	Survival (%)	Hgt. (cm)	Survival (%)	Hgt. (cm)
(cont'd)	TP-16-80	C&H Plow	34	10.0	JP	1031	7	86	15	77	49
	TP-17-80	C&H Plow	44	23.0	WS	2342	14	93	19	92	43
	TP-18-80	C&H Plow	18	4.0	JP	2419	-	96	11	91	35
	TP-19-80	Controlled Burn & Disc Trencher	32	13.0	WS	2390	18	86	26	86	56
	TP-39-80	Controlled Burn & Shark Fin Barrels	47	16.0	BS	2109	15	88	22	84	51
	TP-40-80	Shark Fin Barrels	95	20.0	BS	1693	-	97	14	93	42
	TP-41-80	Shark Fin Barrels	26	8.0	BS	1671	12	98	13	82	29
	TP-42-80	Shark Fin Barrels	145	39.0	BS	1880	13	96	15	89	30
	TP-43-80	Shark Fin Barrels	148	45.0	BS	1879	12	86	20	80	33
	TP-44-80	Controlled Burn & Shark Fin Barrels	118	31.0	BS	2025	14	94	26	94	60
	TP-45-80	Controlled Burn & Shark Fin Barrels	59	23.0	BS	2585	14	93	24	92	54
	TP-46-80	Shark Fin Barrels	40	16.0	BS	1798	16	99	18	96	51
				1.0	JP	2165	11	100	16	94	55
	TP-47-80	Shark Fin Barrels	65	12.2	BS	1956	-	87	15	76	31
			80	0.8	JP	1503	-	100	21	67	32

Table 6-80. (continued)

Region	Plantation	Site Preparation	Area (ha)	# of Plots	Species	Stock Type	ORIGINAL YEAR		FIRST YEAR		THIRD YEAR	
							Density (trees/ha)	Hgt. (cm)	Survival (%)	Hgt. (cm)	Survival (%)	Hgt. (cm)
1	TP-48-80	Controlled Burn	68	42.0	Jp	PP	2510	18	91	26	91	57
	(cont'd)											
	TP0-13-80	Disc Trencher	-	6.0	WS	PP	1931	16	100	23	96	52
	(See TP-13-80)											
	TP0-16-80	C & H Plow	-	9.5	BS	PP	855	18	95	23	92	52
	(See TP-16-80)			0.5	JP	PP	2165	9	88	17	88	73
	TP0-18-80	C & H Plow	-	4.0	BS	PP	1974	-	97	15	79	32
	(See TP-18-80)											
	TP0-47-80	Shark Fin Barrels	-	2.0	WS	PP	2292	-	92	31	89	73
	(See TP-27-80)			13.0	JP	PP	2018	-	97	20	86	56
2	TP9-91-80*	Controlled Burn & Shark Fin Barrels	-	6.0	JP	PP	2865	19	99	35	99	106
	P-43-80	Finnish Plow	606	418.0	JP	BR	2657	18	93	25	89	68
				2.0	RP	BR	2689	22	100	27	98	45
	P-44-80	Finnish Plow	110	59.0	BS	BR	2374	23	88	27	82	42
				21.0	WS	BR	2425	24	78	27	55	49

* Not Reported Planted

Table 6-80. (continued)

Region	Plantation	Site Preparation	Area (ha)	# of Plots	Species	Stock Type	ORIGINAL YEAR		FIRST YEAR		THIRD YEAR	
							Density (trees/ha)	Hgt. (cm)	Survival (%)	Hgt. (cm)	Survival (%)	Hgt. (cm)
2 (cont'd)	P-45-80	Finnish Plow	159	92.3	JP	BR	2534	19	93	25	90	81
				3.7	RP	BR	3451	22	85	27	81	45
	P-47-80	Disc Trencher	34	12.0	RP	BR	1560	25	83	28	76	45
	P-48-80	Finnish Plow	11	31.0	JP	BR	2579	21	95	26	79	68
				12.0	RP	BR	1761	25	92	27	57	43
	P-49-80	Finnish Plow	124	46.0	JP	BR	2973	19	95	23	90	71
	TP-20-80	Disc Trencher	48	3.0	BS	BR	1783	12	95	13	93	35
				6.6	BS	PP	2128	10	98	11	97	28
				8.4	JP	PP	2087	17	99	25	99	62
	TP-21-80	Crusher	682	3.0	BS	PP	2249	11	85	17	81	35
				154.8	JP	PP	2191	7	93	15	91	69
	TP-79-80	Disc Trencher	257	46.0	BS	PP	2236	11	98	12	96	29
				0.1	JP	BR	2037	29	100	35	100	90
				1.0	JP	PP	2037	7	94	14	94	61
				4.9	RP	BR	1547	26	93	28	78	44
	TP-80-80	Finnish Plow	192	66.0	BS	PP	3139	11	98	23	97	44
	TP-81-80	Finnish Plow	121	4.0	BS	PP	2642	11	99	19	99	44
				46.0	WS	PP	2524	11	97	20	96	45
	TP-21-80 (See TP-21-80)	Crusher	-	36.0	BS	PP	2416	17	91	24	92	48

Table 6-80. (continued)

Region	Plantation	Site Preparation	Area (ha)	# of Plots	Species	Stock Type	ORIGINAL YEAR		FIRST YEAR		THIRD YEAR	
							Density (trees/ha)	Hgt. (cm)	Survival (%)	Hgt. (cm)	Survival (%)	Hgt. (cm)
3	P-12-80	No Site Preparation	23	17.0	Jp	BR	4329	22	88	26	86	61
	P-13-80	C&H Plow	87	63.6	Jp	BR	2289	19	93	23	84	77
				0.4	RP	BR	3056	-	100	24	80	57
	P-14-80	C&H Plow	221	0.5	BS	PP	5220	5	64	13	36	19
				12.0	WS	BR	2561	20	88	21	86	34
				90.8	JP	BR	2315	19	95	25	88	85
				0.1	JP	PP	3056	-	100	18	100	81
				26.5	RP	BR	2413	24	96	26	91	72
	P-15-80	C&H Plow	59	27.7	BS	BR	2244	23	78	23	69	37
				0.3	JP	PP	3692	-	89	15	44	36
	P-16-80	Shark Fin Barrels	459	14.0	BS	BR	2574	24	82	25	72	52
				8.0	BS	PP	1783	14	95	12	90	42
				159.6	WS	BR	2064	21	88	23	77	43
				3.8	WS	PP	3898	11	97	10	76	40
				32.6	JP	BR	1460	17	95	23	91	87
P-17-80	No Site Preparation		18	9.0	BS	BR	1754	-	81	16	40	29
P-18-80	C&H Plow		160	29.1	BS	BR	2470	26	76	25	61	45
				63.8	JP	BR	2164	19	92	22	86	74
TP-24-80	C&H Plow		8	8.0	JP	PP	2117	13	85	18	71	55
TP-25-80	C&H Plow		136	23.8	BS	PP	1670	8	79	18	66	34
				52.2	JP	PP	2268	14	97	33	95	92
TP-26-80	C&H Plow		110	30.0	BS	PP	2699	11	83	21	81	41
				5.0	WS	PP	1401	11	95	21	85	41

Table 6-80. (continued)

Region	Plantation	Site Preparation	Area (ha)	# of Plots	Species	Stock Type	ORIGINAL YEAR		FIRST YEAR		THIRD YEAR	
							Density (trees/ha)	Hgt. (cm)	Survival (%)	Hgt. (cm)	Survival (%)	Hgt. (cm)
3 (cont'd)	TP-27-80	C&H Plow	63	21.4	BS	PP	2002	11	89	22	82	39
				0.6	JP	PP	2419	-	100	34	100	97
	TP-28-80	C&H Plow	81	33.0	BS	PP	2709	10	90	22	89	43
	TP-29-80	C&H Plow	127	59.0	BS	PP	2419	11	83	21	78	39
	TP-30-80	Shark Fin Barrels	134	1.2	BS	BR	3634	7	97	10	91	38
				41.8	BS	PP	2888	8	96	9	88	42
	TP-31-80	Shark Fin Barrels	53	32.0	BS	PP	2873	10	91	17	83	43
	TP-32-80	Marden Roller	79	1.0	BS	PP	2037	15	88	19	75	33
				27.0	BS	SB	1495	12	82	19	75	51
	TP-33-80	Marden Roller	33	3.0	BS	PP	2504	9	78	19	76	45
	TP-34-80	C&H Plow	64	26.0	JP	PP	2713	16	94	29	91	88
	TP-35-80	Shark Fin Barrels	123	57.0	BS	PP	2678	10	86	22	76	37
	TP-36-80	C&H Plow	413	5.4	BS	PP	2806	7	95	14	94	33
				66.6	JP	PP	2313	5	84	14	81	52
	TP-37-80	C&H Plow	55	8.5	BS	PP	2047	13	84	21	79	39
				9.0	BS	SB	2051	17	90	25	88	50
	TP-38-80	C&H Plow	21	8.0	JP	PP	2928	6	55	13	45	40
TP0-26-80 (See TP-26-80)							2483	8	94	14	92	46
			-	15.0	JP	PP	2114	16	95	23	92	59

TABLE 6-80. (continued)

Region	Plantation	Site Preparation	Area (ha)	# of Plots	Species	Stock Type	ORIGINAL YEAR		FIRST YEAR		THIRD YEAR	
							Density (trees/ha)	Hgt. (cm)	Survival (%)	Hgt. (cm)	Survival (%)	Hgt. (cm)
3	TP0-27-80 (cont'd) (See TP-27-80)	C&H Plow	-	6.0	BS	PP	2292	9	93	19	89	34
				10.0	JP	PP	1681	16	94	28	93	78
	TP0-36-80 (See TP-36-80)	C&H Plow	-	59.0	BS	PP	2177	9	88	20	87	40
				1.0	JP	PP	3692	7	83	19	83	34
4	P-22-80	Finnish Plow	101	5.0	BS	PP	2266	11	71	11	56	36
				63.0	WS	BR	2045	23	78	23	59	36
				3.0	WS	PP	1528	10	69	10	72	27
	P-23-80	Shark Fin Barrels	115	69.0	RP	BR	1288	20	90	19	59	41
	P-24-80	C&H Plow	26	20.4	BS	BR	2301	24	94	26	92	47
			15	6.9	BS	PP	3108	8	96	16	98	41
	P-25-80	C&H Plow	-	0.7	WS	PP	3041	11	100	14	94	45
			99	43.6	BS	BR	2578	24	89	25	86	44
			-	0.4	WS	BR	2585	26	100	26	100	43
	FP-1-80	Shark Fin Barrels	4	7.0	JP	BR	2146	26	94	24	96	82
			91	62.0	RP	BR	1885	23	89	25	81	45
	TP-49-80	Controlled Burn	135	43.9	BS	PP	1166	12	82	24	78	57
			-	0.1	JP	PP	1273	14	100	25	100	102
	TP-50-80	Finnish Plow	157	78.2	BS	PP	1571	14	80	22	67	51
			-	0.8	WS	BR	3438	21	67	26	43	41

Table 6-80. (continued)

Region	Plantation	Site Preparation	Area (ha)	# of Plots	Species	Stock Type	ORIGINAL YEAR		FIRST YEAR		THIRD YEAR	
							Density (trees/ha)	Hgt. (cm)	Survival (%)	Hgt. (cm)	Survival (%)	Hgt. (cm)
4 (cont'd)	TP-51-80	Controlled Burn	60	42.0	BS	PP	2398	10	92	30	90	52
				9.0	WS	PP	2532	10	91	29	89	53
	TP-52-80	Shark Fin Barrels	145	29.0	BS	PP	1045	14	93	30	88	73
				28.0	WS	PP	1446	11	88	27	84	65
	TP-53-80	Shark Fin Barrels	9	27.0	BS	PP	1179	10	86	23	83	39
				2.0	WS	PP	1592	15	96	27	88	47
	TP-54-80	C&H Plow	51	22.0	BS	SB	1644	13	85	34	83	82
	TP-56-80	Shark Fin Barrels	121	45.0	BS	PP	2719	13	91	23	88	60
	TP-58-80	C&H Plow	92	17.8	BS	PP	2343	9	89	20	84	34
				0.1	WS	PP	2801	-	100	14	100	25
				0.5	JP	BR	2801	17	92	39	92	83
				37.6	JP	PP	2774	16	98	33	98	73
	TP-59-80	C&H Plow	89	40.0	BS	PP	2451	12	98	29	97	58
	TP0-49-80 (See TP-49-80)	Controlled Burn	-	30.0	BS	PP	1443	13	86	24	83	52
	TP0-51-80 (See TP-51-80)	Controlled Burn	-	7.0	JP	PP	2561	8	96	27	96	67
	TP0-54-80 (See TP-54-80)	C&H Plow	-	8.0	BS	PP	1576	9	83	24	82	59

Table 6-80. (continued)

Region	Plantation	Site Preparation	Area # of Plots (ha)	Species	Stock Type	ORIGINAL YEAR		FIRST YEAR		THIRD YEAR		
						Density (trees /ha)	Hgt. (cm)	Survival (%)	Hgt. (cm)	Survival (%)	Hgt. (cm)	
5	P-26-80	Root Rake	5	2.0	WS	BR	3629	16	75	18	61	23
	P-27-80	Root Rake	20	17.0	WS	BR	1790	16	65	18	52	26
	P-28-80	Root Rake	70	45.0	WS	BR	1715	17	83	19	69	30
	P-29-80	Root Rake	12	9.0	WS	BR	1188	19	89	21	77	30
	P-30-80	Root Rake	4	6.0	BS	BR	1528	18	78	23	64	34
	P-31-80	Root Rake	5	4.0	BS	BR	2260	19	73	22	68	42
	P-32-80	Root Rake	9	6.0	BS	BR	2483	24	81	23	66	40
			-	1.0	WS	BR	2165	27	65	28	59	51
	P-34-80	Root Rake	5	1.0	BS	BR	1401	17	55	21	45	23
	P-35-80	Root Rake	8	0.6	BS	BR	2403	19	67	25	67	50
			13	11.4	WS	BR	2935	19	73	22	65	36
	P-36-80	Root Rake	17	11.9	WS	BR	3338	17	74	18	57	26
	P-37-80	Root Rake	6	0.5	BS	BR	255	13	100	11	100	14
				5.5	Ws	BR	2431	19	84	18	66	26
	P-39-80	Root Rake	11	10.0	BS	BR	2903	21	78	21	67	41
P-40-80	Shark Fin Barrels	2	3.0	BS	BR	2928	23	97	25	80	52	
			3.0	BS	PP	1910	19	100	21	100	49	
P-41-80	Root Rake	11	14.0	BS	BR	2283	23	84	24	71	39	

Table 6-80. (continued)

Region	Plantation	Site Preparation	Area # of Plots (ha)	Species	Stock Type	ORIGINAL YEAR		FIRST YEAR		THIRD YEAR	
						Density (trees/ha)	Hgt. (cm)	Survival (%)	Hgt. (cm)	Survival (%)	Hgt. (cm)
5 (cont'd)	P-42-80	Root Rake	4	4.0	BS	2419	25	86	23	74	36
	FP-7-80	Controlled Burn	34	4.0	WS ORIG*	987	23	94	30	94	50
	FP-8-80	Controlled Burn	8	3.7	BS	3398	9	87	20	86	24
	FP-9-80	Root Rake & Anchor Chains	104	15.7	BS	2957	10	83	17	77	25
	FP-11-80	Root Rake	69	3.5	BS	4755	11	81	18	71	27
				3.1	WS	42	-	100	-	100	19
				10.4	WS	2140	11	87	20	79	38
	FP-12-80	Root Rake	102	6.8	BS	3502	11	89	18	79	22
				4.9	WS	4300	9	89	15	70	21
	FP-13-80	Disc Trencher	19	1.1	WS	597	-	100	-	100	29
				10.2	WS	1686	13	93	17	84	19
	FP-14-80	Disc Trencher	69	3.9	BS	3599	11	88	18	88	39
				6.1	WS	1958	19	91	20	85	31
	TP-22-80	Controlled Burn & Disc Trencher	97	33.0	BS	2215	10	83	20	81	33
	TP-55-80	Bracke	8	6.0	BS	2504	16	95	25	93	54
	TP-60-80	Controlled Burn & Bracke	83	28.0	BS	2137	17	94	23	93	53
				7.0	WS	2892	14	91	26	91	57

* DENSITY INCLUDES FILL-PLANTED TREES

Table 6-80. (continued)

Region	Plantation	Site Preparation	Area (ha)	# of Plots	Species	Stock Type	ORIGINAL YEAR		FIRST YEAR		THIRD YEAR	
							Density (trees/ha)	Hgt. (cm)	Survival (%)	Hgt. (cm)	Survival (%)	Hgt. (cm)
(cont'd)	IP-61-80	Bracke	24	9.0	BS	PP	2278	13	84	24	82	51
	IP-62-80	Bracke	12	8.0	BS	PP	1528	11	76	18	66	40
	IP-63-80	Bracke	6	5.0	WS	PP	2368	14	95	25	94	55
	IP-64-80	Bracke	11	8.0	WS	PP	2244	12	92	27	91	54
	IP-65-80	Bracke	24	7.0	WS	PP	1892	12	97	25	93	51
	IP-66-80	Bracke	28	13.0	BS	PP	1273	11	82	16	71	23
	IP-67-80	Root Rake	11	3.0	WS	PP	1443	4	71	9	59	23
	IP-68-80	Root Rake	7	2.7	WS	PP	2855	9	97	26	95	50
	IP-71-80	Root Rake	30	10.0	BS	PP	1744	5	77	10	72	24
	IP-72-80	Root Rake	8	5.0	WS	PP	2012	10	77	15	76	34
	IP-73-80	Controlled Burn & Root Rake	27	11.0	BS	PP	2373	7	69	13	63	31
	IP-74-80	Root Rake	9	5.0	BS	PP	968	6	97	6	-	-
	IP-75-80	Bracke	121	42.0	BS	PP	2165	11	96	27	95	58
	IP-76-80	Bracke	42	19.0	BS	PP	1917	12	96	29	95	62
	IP-77-80	Bracke	32	14.0	BS	PP	2210	13	96	27	95	58
	IP-78-80	Bracke	13	10.0	BS	PP	2139	12	97	24	95	37

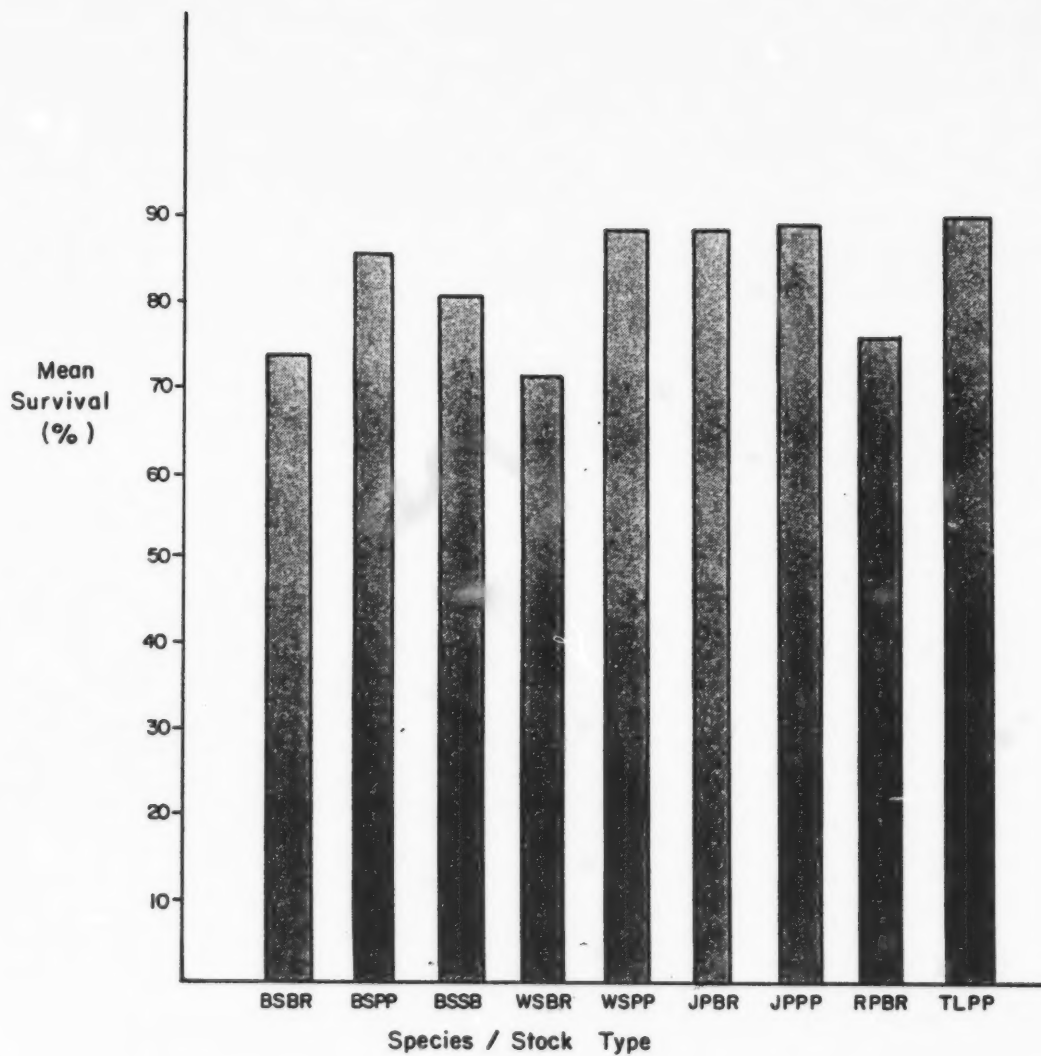


FIGURE I-80 - Third year mean survival percentages for planted trees grouped by species and stock type - 1980 Plantations .

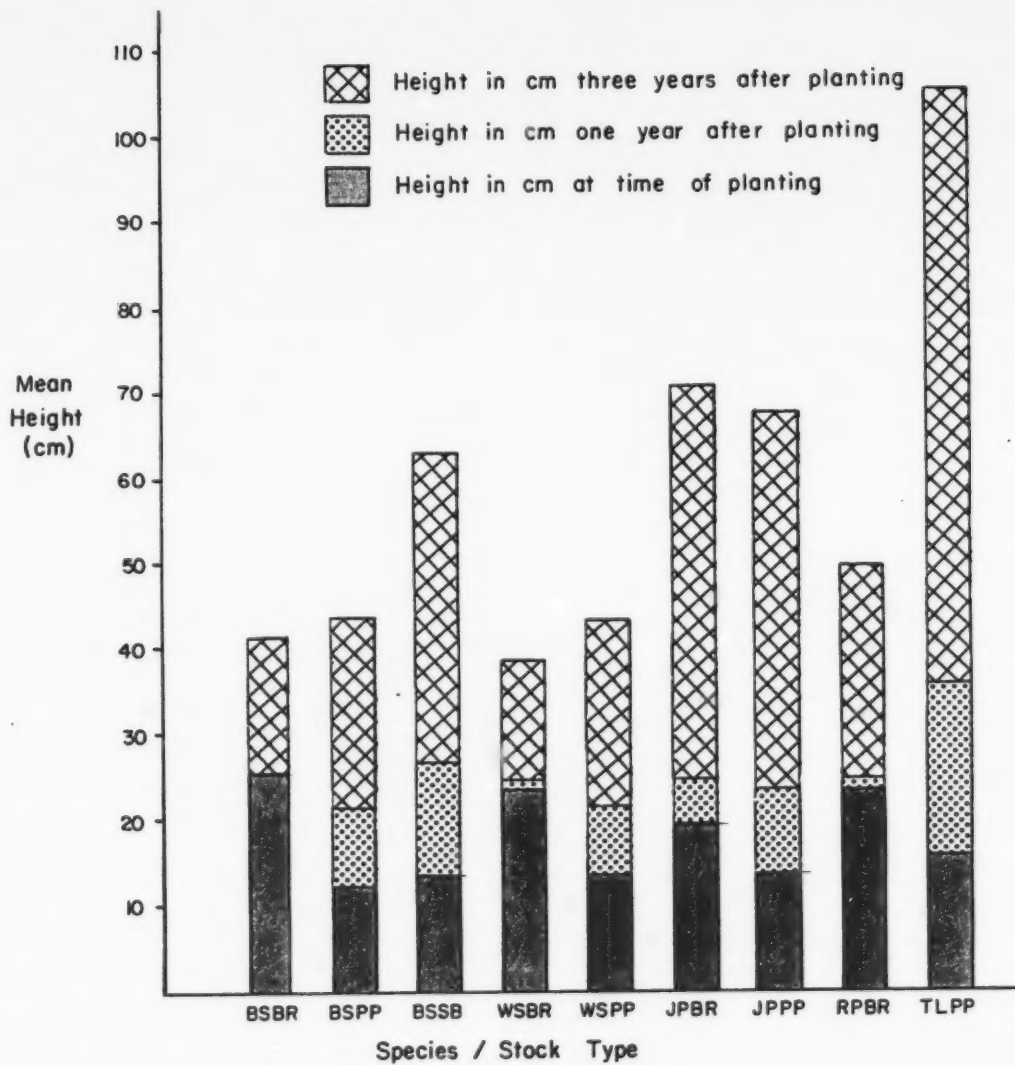


FIGURE 2-80- Mean height for three year old planted trees grouped by species and stock type- 1980 Plantations.

TABLE 2-81. MEAN SURVIVAL IN PERCENT ONE YEAR AND THREE YEARS AFTER PLANTING BY SPECIES AND STOCK TYPE FOR 1981 PLANTATIONS

REGION		BLACK SPRUCE		WHITE SPRUCE		JACK PINE		RED PINE		LARCH	
		BR1	PP2	BR	PP	BR	PP	BR	PP	BR	PP
1	1st YR	59	94	63	-	67	88	-	-	-	-
	3rd YR	51	92	52	-	66	84	-	-	-	-
2	1st YR	69	84	-	90	-	92	-	-	-	-
	3rd YR	65	83	-	86	-	90	-	-	-	-
3	1st YR	63	91	59	97	-	84	-	-	-	-
	3rd YR	55	88	44	91	-	80	-	-	-	-
4	1st YR	79	91	74	95	-	89	77	83	-	-
	3rd YR	74	84	67	89	-	88	70	76	-	-
5	1st YR	-	92	66	-	-	95	-	86	-	-
	3rd YR	-	85	48	-	-	87	-	73	-	-
PROV.	1st YR	66	91	66	94	67	88	77	83	-	-
	3rd YR	60	87	53	88	66	85	70	75	-	-

1. Bare Root Stock Type
2. Paper Pot Stock Type

TABLE 3-81. AVERAGE HEIGHT OF PLANTATION TREES - ORIGINAL, ONE YEAR AND THREE YEARS AFTER PLANTING BY SPECIES AND STOCK TYPE FOR 1981 PLANTATIONS

REGION	BLACK SPRUCE			WHITE SPRUCE		JACK PINE		RED PINE		LARCH	
	BR1	PP2		BR	PP	BR	PP	BR	PP	BR	PP
1	Orig ³	25	15	20	-	19	6	-	-	-	-
	1st YR ⁴	28	24	21	-	35	13	-	-	-	-
	3rd YR ⁵	38	40	30	-	87	45	-	-	-	-
2	Orig	23	12	-	13	-	14	-	-	-	-
	1st YR	26	21	-	16	-	23	-	-	-	-
	3rd YR	39	55	-	42	-	72	-	-	-	-
3	Orig	24	10	19	8	-	9	-	-	-	-
	1st YR	25	15	20	7*	-	13	-	-	-	-
	3rd YR	35	38	30	19	-	54	-	-	-	-
4	Orig	19	12	20	12	-	11	21	11	21	11
	1st YR	19*	13	20*	14	-	20	22	24	22	24
	3rd YR	27	46	33	58	-	73	44	64	44	64
5	Orig	-	11	17	-	-	8	-	7	-	7
	1st YR	-	17	18	-	-	21	-	25	-	25
	3rd YR	-	40	27	-	-	68	-	82	-	82
PROV.	Orig	24	12	19	12	19	10	21	10	21	10
	1st YR	25	18	19*	14	35	17	22	24	22	24
	3rd YR	36	42	30	49	87	62	44	69	44	69

1. Bare Root Stock Type
 2. Paper Pot Stock Type
 3. Height in cm at time of planting
 4. Height in cm one year after planting
 5. Height in cm three years after planting
 * No height increase or decrease due to excessive rabbit damage

TABLE 4-81. PERCENT OF THIRD YEAR ASSESSMENT PLOTS IN EACH DENSITY CLASS* BY REGION FOR 1981 PLANTATIONS

REGION	0-1500			1500-3000			3000+		
1	56a	37b	15c	41a	49b	33c	3a	14b	52c
2	33	16	9	64	54	30	3	30	61
3	41	23	13	49	36	28	10	41	59
4	42	30	21	52	44	31	6	26	48
5	52	49	29	45	46	39	3	5	32

* 5th Year Standards

- a. Planted trees only
- b. Includes Natural Softwood Regeneration OTHER THAN Balsam Fir
- c. Includes ALL Natural Softwood Regeneration

TABLE 5-81. DENSITY OF ALL STEMS IN THIRD YEAR ASSESSMENT PLOTS BY REGION FOR 1981 PLANTATIONS

REGION	LOCATION	PLANTATION	PLANTED TREES	DENSITY (STEMS/HA)					NATURAL HARDWOOD			
				NATURAL SOFTWOOD								
				SPRUCE	PINE	FIR	OTHER ¹	TOLERANT ²	INTOLERANT ³	OTHER ⁴		
1	Maliget Bk	P-6-81	834	608	42	3777	219	1457	1025	367		
	Key Anaconda Rd	P-8-81	877	1393	28	2178	325	601	3430	466		
	Wildcat	P-9-81	1382	18	0	354	0	2155	827	2455		
	40 Mile Bk E-18	P-10-81	717	127	0	671	57	682	1412	1180		
	Nine Mile N.	P-11-81	1076	486	0	3484	243	185	810	717		
	Brunswick E-55	P-12-81	491	1709	18	5929	672	636	1382	400		
	Brunswick E-01	P-13-81	604	1161	159	3294	302	2244	6525	2817		
	California D-72	P-14-81	1048	816	37	2995	0	1041	1078	1235		
	40 Mile Bk D-58	P-15-81	1259	381	0	1669	0	1740	1499	806		
	40 Mile Bk D-58	P-16-81	1273	119	14	1460	0	898	1318	254		
	Charlo Old Dam	P-17-81	509	323	0	2957	19	0	626	1420		
	Charlo Old Dam	P-18-81	964	264	0	6429	0	4	700	4020		
	Middle Bk II	P-19-81	592	286	0	4723	0	381	1005	2667		
	Middle Bk TWR	P-20-81	763	339	0	1124	0	254	2419	1252		
	Caribou R E-83	FP-1-81	1852	362	6	1483	0	50	738	935		
	Caribou R E-7	FP-2-81	1909	169	0	4010	0	1443	1145	1506		
	Mini Culv. E-13	FP-3-81	1602	823	179	1535	1438	2381	3422	3497		
	Forty Mile D-58	TP-10-81	1734	246	23	3732	0	1384	2228	867		
	Middle Bk TWR	TP-24-81	1803	806	10	10482	0	753	3214	2822		
	McNair Bk F-57	TP-28-81	2048	1079	0	3592	0	1976	5159	4185		
	McNair Bk F-54	TP-29-81	2057	221	6	1407	201	1588	1514	2915		

1. Cedar, Hemlock, Larch
2. Red Maple, Sugar Maple, Yellow Birch, Beech
3. White Birch, Poplar, Mountain Maple, Pin Cherry
4. Ash, Oak, Ironwood, Elm, Butternut, Basswood, Grey Birch, Silver Maple, Striped Maple, Willow, Serviceberry

Table 5-81. (continued)

REGION	LOCATION	PLANTATION	PLANTED TREES	DENSITY (STEMS/HA)					NATURAL HARDWOOD			
				NATURAL SOFTWOOD								
				SPRUCE	PINE	FIR	OTHER ¹	TOLERANT ²	INTOLERANT ³	OTHER ⁴		
2	McNair Bk F-55	TP-30-81	1982	369	24	3595	60	1661	1230	2025		
	(cont'd) Indian Reserve	TP-31-81	1923	609	0	1943	0	0	194	375		
	Cook Savole #8	TP-36-81	1570	543	0	2648	33	3700	3072	1493		
	Cook Savole 14 & 15	TP-37-81	1400	363	27	1932	0	804	7171	4574		
	Forty Four D-36	TP-42-81	1588	16	0	553	0	5	1311	3266		
	Bayles Lake	TP-125-81	1879	1043	8	10627	0	898	5147	5595		
	Bayles Lake	TP-126-81	1766	350	0	13540	0	131	8876	4953		
	Portage River	TP-127-81	1952	21	0	265	10	2472	1273	307		
	Portage River	TP-128-81	1604	392	7	305	456	1331	2811	2498		
	Gordon Meadow	TP-129-81	1527	0	0	0	0	1973	3183	1018		
	Gordon Meadow	TP-130-81	2375	95	11	39	0	1324	1798	3576		
	Six Mile Bk	TP-131-81	1584	986	406	1476	62	1057	1984	983		
3	Union Sett.	P-1-81	1461	989	98	4609	3	2151	4386	814		
	Alward Bk	P-3-81	976	2775	5644	0	0	76	4660	305		
	Bonnell Bk	P-4-81	929	717	0	233	0	1044	7172	50		
	Little Salmon R	P-5-81	0	1118	0	2519	0	345	582	145		
	Union Sett	P0-01-81	1009	1336	263	3383	9	1164	5029	513		
	Alward Bk	P0-03-81	302	3596	1734	0	0	79	4583	31		
	Mountain Bk	TP-2-81	1782	721	10	7405	0	5687	4997	403		
	Big Forks	TP-3-81	1655	0	254	1000	0	1164	1273	1455		
	Meadow Bk R	TP-4-81	2769	2817	183	159	0	724	2212	222		
	Beaver Bk	TP-5-81	2119	1779	187	1295	0	652	3179	369		
	Lakestream Burn	TP-7-81	2114	755	44	16	27	1428	3501	1929		
	Airport Rd	TP-8-81	1810	2221	962	2603	0	962	3310	749		
	Little Salmon R	TP-9-81	1159	1742	0	1259	0	770	1196	234		

Table 5-81. (continued)

REGION	LOCATION	PLANTATION	PLANTED TREES	NATURAL SOFTWOOD					DENSITY (STEMS/HA)			
				SPRUCE	PINE	FIR	OTHER ¹	NATURAL HARDWOOD				
								TOLERANT ²	INTOLERANT ³	OTHER ⁴		
3	Big Forks	TP-03-81	2076	1297	183	1663	0	1265	2069	222		
	(cont'd) Goose Creek	TP-19-81	1716	81	0	644	0	1809	2712	1		
	Mechanic Lake	TP-20-81	1273	907	0	1551	0	5419	5435	27		
	Square Lake	TP-21-81	1480	288	0	991	0	3605	2090	8		
	Mountain Bk	TP0-02-81	1145	445	31	12764	0	5411	1909	2		
	Big Forks	TP0-03-81	1793	339	244	2387	0	1167	891	371		
	Lakestream Burn	TP0-07-81	1818	1100	101	9	13	2797	4361	2601		
	Mechanic Lake	TP0-20-81	2107	381	0	1343	0	1556	6564	693		
4	Dunbar	P-30-81	1407	63	35	1860	0	4215	6903	8070		
	Glencoe	P-31-81	1839	481	28	7653	14	763	763	4017		
	Cloverdale	P-32-81	1909	38	127	2024	2177	1897	1387	8365		
	Cloverdale	P-33-81	2498	7	0	596	0	1042	2172	5793		
	Little Lake R.	P-38-81	1438	369	12	1005	0	3647	10160	5494		
	Dinner Woods	P-39-81	2037	272	0	3474	0	436	727	2182		
	Browns Mtn.	P-40-81	1824	12	0	1309	187	2922	957	1424		
	E. Victoria Lk	P-41-81	976	5121	183	254	14	5658	4767	3183		
	Deer Lake R19	P-42-81	652	90	0	53	0	2116	15	137		
	Glencoe	P0-31-81	2764	745	145	2419	145	18	291	2619		
	Cloverdale	P9-90-81*	2005	31	31	95	9135	0	413	254		
	Little Lake R	TP-48-81	0	381	0	5092	127	1782	5920	127		
	Browns Mtn	TP-55-81	1527	286	0	9199	21263	1273	159	2069		
	E. Victoria Lk	TP-56-81	2055	109	0	90	0	5474	11004	1727		
	Teague Bk	TP-98-81	2061	897	0	5414	6	588	642	521		

* Not Reported Planted

Table 5-81. (continued)

REGION	LOCATION	PLANTATION	PLANTED TREES	DENSITY (STEMS/HA)				NATURAL HARDWOOD			
				NATURAL SOFTWOOD							
				SPRUCE	PINE	FIR	OTHER ¹	TOLERANT ²	INTOLERANT ³	OTHER ⁴	
4	Cloverdale (cont'd)Glencoe Four Mile Bk Cloverdale Deer Lake S. Oromocto Lk S. Oromocto Lk Shin Creek Rd Dufour Rd Crystal Lake Crystal Lake Glencoe	TP-100-81	2291	190	49	7512	381	1591	5283	3869	
		TP-102-81	2347	397	79	5180	0	1098	1973	2180	
		TP-103-81	2274	152	0	8	0	899	696	6646	
		TP-105-81	1351	592	14	1616	288	381	2761	1415	
		TP-106-81	1746	54	0	0	0	4492	54	127	
		TP-108-81	984	1213	8	305	0	645	42	475	
		TP-110-81	843	175	0	31	0	1511	63	7	
		TP-113-81	1636	2325	0	954	93	599	1748	17	
		TP-118-81	643	1362	58	815	251	1008	3534	1651	
		TP-119-81	1554	3121	74	496	8	654	2274	1887	
		TP-120-81	1757	1986	76	381	0	407	7970	1171	
		TP9-02-81	2091	18	0	7621	0	3310	4329	800	
5	Falls Bk Head L. Forks Thibodeau Bk Thibodeau Bk Falls Bk Falls Bk Falls Bk Winding Eddy Bk Cedar Bk Cedar Bk Purvis Bk	P-21-81	1364	0	0	218	0	0	491	3037	
		P-23-81	1012	19	0	967	0	369	910	4469	
		P-27-81	1018	0	0	873	0	1036	72	200	
		P-28-81	789	0	0	471	0	216	458	3883	
		P-35-81	1400	31	0	286	0	0	318	1082	
		P-36-81	871	146	0	2458	39	1214	323	1028	
		P-37-81	403	169	0	572	0	10	848	445	
		P9-91-81*	1349	0	0	101	0	0	865	993	
		TP-51-81	1400	0	0	0	0	0	1103	190	
		TP-52-81	2105	73	0	39	254	34	181	225	
		TP-57-81	1544	16	0	7138	0	0	653	1901	

* Not Reported Planted

Table 5-81. (continued)

REGION	LOCATION	PLANTATION	PLANTED TREES	DENSITY (STEMS/HA)					NATURAL HARDWOOD			
				NATURAL SOFTWOOD			OTHER ¹	TOLERANT ²	INTOLERANT ³	OTH ⁴		
				SPRUCE	PINE	FIR						
5	Atkinson Tower	TP-58-81	1500	54	0	8658	0	0	36	2591		
(cont'd)	Atkinson Tower	TP-59-81	1301	155	0	12477	0	0	70	1131		
	Union Bk	TP-61-81	1527	408	0	3558	0	0	20	134		
	Lake Branch	TP-66-81	1238	104	0	196	0	1076	451	3414		
	Eight Mile Bk	TP-67-81	1507	50	0	697	0	381	183	4802		
	Eight Mile Bk	TP-68-81	2100	403	0	148	0	148	127	2504		
	Eight Mile Bk	TP-69-81	1643	127	0	104	0	81	46	1435		
	Moose Valley Bk	TP-70-81	1782	254	0	3364	0	0	18	127		
	Moose Valley Bk	TP-71-81	1994	190	0	5326	0	0	0	63		
	Moose Valley Bk	TP-72-81	1400	57	0	844	0	0	2870	4803		
	Little Fork BH	TP-75-81	1782	63	0	254	0	1623	3374	21		
	Little Fork BH	TP-76-81	1209	21	0	700	0	445	2249	3480		
	McFarlane Strip	TP-77-81	1499	0	0	1032	0	1089	735	11		
	Purvis Bk	TP-79-81	0	42	0	5899	0	0	0	22		

TABLE 6-81. PLANTATION ASSESSMENT SUMMARY 1981 PLANTATIONS

Region	Plantation	Site Preparation	Area (ha)	# of Plots	Species	Stock Type	ORIGINAL YEAR		FIRST YEAR		THIRD YEAR	
							Density (trees /ha)	Hgt. (cm)	Survival (%)	Hgt. (cm)	Survival (%)	Hgt. (cm)
1	P-6-81	Burn and Disc Trencher	105	18.0	BS	BR	1443	24	69	27	58	41
	P-8-81	Burn and Disc Trencher	57	18.0	BS	BR	1641	25	63	26	54	43
	P-9-81	C&H Plow	71	13.0	BS	BR	2595	25	62	29	52	32
	P-10-81	Bracke	23	11.0	BS	BR	1632	26	70	27	44	31
	P-11-81	Disc Trencher	41	11.0	BS	BR	1933	27	66	30	56	39
	P-12-81	Disc Trencher	22	7.0	BS	BR	1110	27	52	29	44	40
	P-13-81	Burn and Disc Trencher	31	8.0	BS	BR	1257	26	54	28	48	36
	P-14-81	C&H Plow	56	17.0	BS	BR	2217	25	50	28	47	38
	P-15-81	Burn and Disc Trencher	26	1.0	BS	BR	1783	26	50	26	50	39
				1.0	BS	PP	2292	15	94	20	89	36
				7.0	JP	BR	1619	19	75	38	74	87
	P-16-81	Burn and Disc Trencher	28	11.6	BS	BR	1885	26	69	30	66	37
				6.4	JP	BR	1536	18	73	32	73	74
	P-17-81	Barrels & Chains	48	11.0	BS	BR	1273	23	48	24	41	33
				2.0	WS	BR	1468	21	39	21	30	30
	P-18-81	Barrels & Chains	102	0.9	BS	BR	2854	26	52	30	48	51
				25.1	WS	BR	1793	20	64	21	53	30

Table 6-81. (continued)

Region	Plantation	Site Preparation	Area (ha)	# of Plots	Species	Stock Type	ORIGINAL YEAR		FIRST YEAR		THIRD YEAR	
							Density (trees /ha)	Hgt. (cm)	Survival (%)	Hgt. (cm)	Survival (%)	Hgt. (cm)
(cont'd)	P-19-81	Barrels & Chains	46	20.0	BS	BR	1572	23	41	24	38	36
	P-20-81	Barrels & Chains	9	6.0	BS	BR	2016	23	43	25	38	30
	FP-1-81	Finnish Plow	72	7.1 10.4	BS BS	BR PP	2815 1295	28 14	65 97	30 15	58 94	43 35
FP-2-81		Finnish Plow	14	4.5	BS	PP	1954	17	97	18	96	47
FP-3-81		Bracke or Finnish Plow	64	14.6	BS	BR	1567	27	66	29	59	37
IP-10-81		Burn and Disc Trencher	68	1.3 11.0 3.8	BS BS JP	BR PP BR	2241 2199 2241	27 13 19	45 94 45	31 25 35	45 94 45	39 41 90
	IP-24-81	Barrels & Chains	96	12.0	JP	PP	1910	10	94	17	94	41
	IP-28-81	Barrels & Chains	73	23.0	BS	PP	2165	15	96	25	95	38
IP-29-81		Barrels & Chains	86	19.0	BS	PP	2178	15	95	23	94	37
IP-30-81		Barrels & Chains	95	21.0	BS	PP	2128	16	95	25	93	46
IP-31-81		Barrels & Chains	97	19.0	BS	PP	2325	16	89	24	83	40
IP-36-81		Barrels & Chains	70	1.4 13.6	BS JP	PP PP	1718 1911	21 6	84 87	27 14	84 83	47 49
IP-37-81		Barrels & Chains	175	29.0	JP	PP	1721	6	83	13	79	45

Table 6-81. (continued)

Region	Plantation	Site Preparation	Area (ha)	# of Plots	Species	Stock Type	ORIGINAL YEAR		FIRST YEAR		THIRD YEAR	
							Density (trees/ha)	Hgt. (cm)	Survival (%)	Hgt. (cm)	Survival (%)	Hgt. (cm)
1	IP-42-81	Burn and Disc Trencher	118	23.0	JP	PP	1882	6	90	12	84	44
2	IP-125-81	Finnish Plow	520	72.0	JP	PP	2069	10	93	20	91	73
	IP-126-81	Finnish Plow	197	33.0	BS	PP	1952	12	91	17	90	49
	IP-127-81	Burn	39	1.8	BS	PP	2292	13	82	29	82	69
				0.2	WS	PP	2292	11	100	26	100	56
				10.0	JP	PP	2266	21	88	30	87	97
	IP-128-81	Burn	302	48.0	BS	PP	2040	12	80	24	79	62
	IP-129-81	Burn	20	2.0	BS	PP	2037	20	78	20	75	28
	IP-130-81	Burn	162	32.0	JP	PP	2618	19	93	26	91	65
	IP-131-81	Finnish Plow	726	133.0	BS	BR	2396	23	69	26	65	39
				0.6	BS	PP	3937	16	100	15	95	26
3	P-1-81	C&H Plow	131	36.0	BS	BR	2585	24	65	26	59	36
				4.0	WS	BR	2706	19	49	22	36	29
	P-3-81	C&H Plow	27	6.0	BS	BR	2801	25	53	24	41	29
				9.0	WS	BR	1981	24	60	26	44	32
	P-4-81	Barrels & Chains	74	30.0	WS	BR	1935	18	56	19	48	35
	P-5-81	Barrels & Chains	23	14.0	WS	BR	0	-	-	-	-	-

Table 6-81. (continued)

Region	Plantation	Site Preparation	Area (ha)	# of Plots	Species	Stock Type	ORIGINAL YEAR		FIRST YEAR		THIRD YEAR	
							Density (trees /ha)	Hgt. (cm)	Sur- vival (%)	Hgt. (cm)	Sur- vival (%)	Hgt. (cm)
3 (cont'd)	P0-01-81	C&H Plow	92	6.0	BS	BR	1634	20	61	20	47	31
				22.0	WS	BR	2552	20	61	19	42	26
	P0-03-81	C&H Plow	18	8.0	WS	BR	796	18	66	18	38	24
	TP-2-81	C&H Plow	54	12.0	JP	PP	2462	12	75	11	72	63
	TP-3-81	C&H Plow	20	7.0	JP	PP	1946	16	92	17	85	104
	TP-4-81	Finnish Plow	37	16.0	JP	PP	2817	14	100	14	98	58
	TP-5-81	C&H Plow	127	40.0	BS	PP	2231	12	97	13	95	40
	TP-7-81	C&H Plow	233	45.4	BS	PP	2491	9	86	14	83	28
				1.6	JP	PP	3330	8	56	9	54	43
	TP-8-81	C&H Plow	26	9.0	BS	PP	2122	13	93	14	85	32
	TP-9-81	Barrels & Chains	52	11.0	WS	BR	845	18	67	17	48	30
				8.0	JP	PP	2276	13	97	15	97	84
	TP-03-81	C&H Plow	87	16.0	BS	PP	2483	12	96	10	84	30
	TP-19-81	Barrels & Chains	161	33.0	BS	PP	1918	9	91	21	90	56
	TP-20-81	Barrels & Chains	90	16.0	JP	PP	1687	7	81	15	75	50
	TP-21-81	Barrels & Chains	111	29.0	JP	PP	1251	6	84	13	78	47
	TP0-02-81	C&H Plow	12	1.5	BS	PP	2962	11	97	9	91	18
				2.5	JP	PP	1705	16	35	10	15	34

Table 6-81. (continued)

Region	Plantation	Site Preparation	Area (ha)	# of Plots	Species	Stock Type	ORIGINAL YEAR		FIRST YEAR		THIRD YEAR	
							Density (trees /ha)	Hgt. (cm)	Survival (%)	Hgt. (cm)	Survival (%)	Hgt. (cm)
4 (cont'd)	P-42-81	Barrels & Chains	67	24.0	WS	BR	1088	19	70	21	60	39
	PO-31-81	C&H Plow	15	7.0	RP	BR	3692	19	78	21	75	48
	P9-80-81*	C&H Plow	-	4.0	RP	BR	2355	24	85	25	85	47
	TP-48-81	C&H Plow	83	2.0	BS	PP	0	-	-	-	-	-
	TP-55-81	C&H Plow	19	2.0	BS	BR	2865	18	87	17	71	17
				2.0	WS	PP	1210	8	95	6	84	8
	TP-56-81	Barrels & Chains	13	3.7	BS	PP	2592	12	96	18	87	55
				3.3	WS	PP	1958	13	98	16	94	45
	TP-98-81	C&H Plow	79	6.1	BS	PP	2615	14	95	15	82	39
				14.9	WS	PP	2552	9	95	9	80	29
	TP-100-81	C&H Plow	208	18.0	BS	PP	2624	12	97	12	87	37
	TP-102-81	C&H Plow	93	16.0	JP	PP	2817	15	83	13	83	39
	TP-103-81	Burn and Barrels & Chains	84	16.0	JP	PP	2475	9	93	21	92	92
	TP-105-81	C&H Plow	93	0.2	JP	PP	1783	5	33	12	33	44
				25.8	TL	PP	1778	11	83	24	76	64
	TP-106-81	Barrels & Chains	162	7.0	WS	PP	1746	12	100	21	100	64
	TP-108-81	Barrels & Chains	123	15.0	JP	PP	1154	10	96	24	85	85

* Not Reported Planted

Table 6-81. (continued)

Region	Plantation	Site Preparation	Area (ha)	# of Plots	Species	Stock Type	ORIGINAL YEAR		FIRST YEAR		THIRD YEAR	
							Density (trees/ha)	Hgt. (cm)	Survival (%)	Hgt. (cm)	Survival (%)	Hgt. (cm)
4 (cont'd)	TP-110-81	Barrels & Chains	40	8.0	BS	PP	955	5	92	12	88	39
	TP-113-81	Barrels & Chains	119	35.0	WS	PP	1793	15	95	16	91	75
	TP-118-81	Barrels & Chains	209	37.0	JP	PP	705	9	92	24	91	92
	TP-119-81	No Site Preparation	86	29.0	BS	PP	1963	13	84	14	79	58
	TP-120-81	No Site Preparation	10	5.0	BS	PP	2088	11	88	12	84	63
	TP9-02-81	C&H Plow	39	7.0	BS	PP	2365	12	95	8	88	25
5	P-21-81	C&H Plow	17	9.0	WS	BR	2221	16	78	18	66	28
	P-22-81	C&H Plow	5	4.0	WS	BR	2165	17	91	18	-	-
	P-23-81	C&H Plow	98	20.0	WS	BR	2406	19	54	19	42	25
	P-27-81	Root Rake	14	7.0	WS	BR	2310	17	64	16	44	26
	P-28-81	Root Rake	21	10.0	WS	BR	1604	15	69	17	49	28
	P-35-81	Bracke	16	4.0	WS	BR	2228	18	79	19	63	29
	P-36-81	Bracke	45	13.0	WS	BR	1685	18	69	19	52	30
	P-37-81	Bracke	27	12.0	WS	BR	1273	16	60	17	33	26
	P9-91-81*	Root Rake & Chains	-	5.0	WS	BR	2419	16	78	17	56	23
	TP-51-81	Bracke	15	6.0	BS	PP	1804	11	96	11	78	36

* Not Reported Planted

Table 6-81. (continued)

Region	Plantation	Site Preparation	Area (ha)	# of Plots	Species	Stock Type	ORIGINAL YEAR		FIRST YEAR		THIRD YEAR	
							Density (trees/ha)	Hgt. (cm)	Survival (%)	Hgt. (cm)	Survival (%)	Hgt. (cm)
5 (cont'd)	TP-52-81	Bracke	80	26.0	BS	PP	2493	12	91	14	84	36
	TP-57-81	Bracke	68	15.0	BS	PP	1706	11	96	13	91	37
	TP-58-81	Bracke	37	15.0	BS	PP	1536	11	95	15	92	46
	TP-59-81	Bracke	22	9.0	BS	PP	1500	12	98	16	87	47
	TP-61-81	Bracke	52	19.0	BS	PP	1823	8	93	9	84	30
	TP-66-81	C&H Plow	65	11.0	BS	PP	1563	17	90	25	79	43
	TP-67-81	C&H Plow	134	25.0	BS	PP	1889	12	90	22	80	46
	TP-68-81	C&H Plow	17	6.0	BS	PP	2398	11	95	24	88	52
	TP-69-81	C&H Plow	42	11.0	BS	PP	2037	12	95	21	81	38
	TP-70-81	C&H Plow	22	7.0	BS	PP	1946	9	93	25	92	48
	TP-71-81	C&H Plow	21	6.0	BS	PP	2228	9	94	23	90	40
	TP-72-81	C&H Plow	40	11.0	BS	PP	1702	6	88	16	82	30
	TP-75-81	Root Rake & Chains	12	4.0	JP	PP	2005	8	98	20	89	63
	TP-76-81	Root Rake & Chains	8	6.0	JP	PP	1422	9	93	21	85	73
	TP-77-81	C&H Plow	2	9.0	TL	PP	2051	7	86	25	73	82
	TP-79-81	Disc Trencher	34	3.0	BS	PP	-	-	-	-	-	-

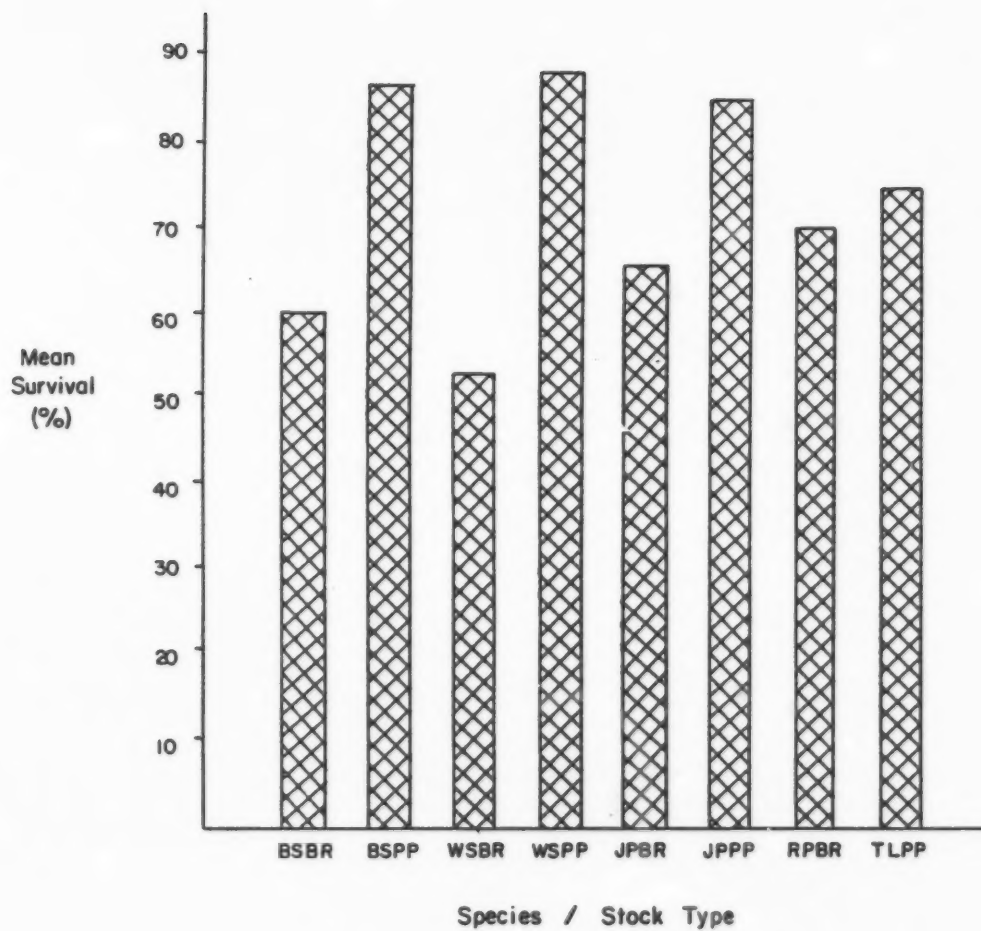


FIGURE 1-81-Third year mean survival percentages for planted trees grouped by species and stock type - 1981 Plantations.

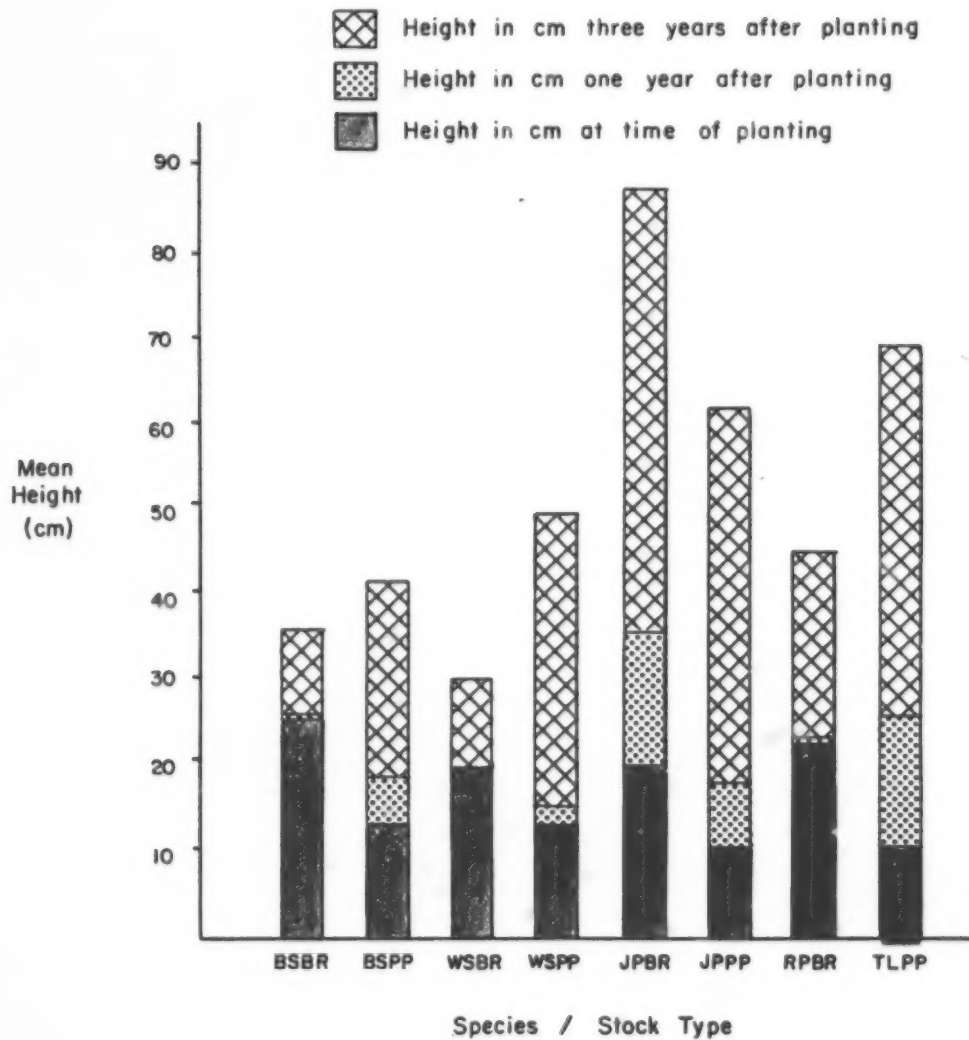


FIGURE 2-81- Mean heights for three year old planted trees grouped by species and stock type- 1981 Plantations.